



Prepared for:

Panattoni Development Company, Inc.
7887 E. Belleview Avenue, Suite 475
Denver, Colorado 80111

DRAFT
LIMITED SUBSURFACE INVESTIGATION
REPORT

**NORTHWEST LOGISTICS CENTER PARKING
EAST OF INTERNATIONAL PLACE NORTH
DUPONT, WASHINGTON 98327**

June 30, 2020

ATC Project No. NPPAN20023

Prepared by:

ATC Group Services LLC.
6347 Seaview Avenue Northwest
Seattle, Washington 98107
Phone: (206) 781-1449



6347 Seaview Avenue Northwest
Seattle, Washington 98107
www.atcgroupservices.com
Telephone 206-781-1449
Fax 206-781-1543

June 30, 2020

Ms. Kristen Dickey
Sent via email: kdickey@panattoni.com

Panattoni Development Company, Inc.
7887 East Bellevue Avenue, Suite 475
Denver, Colorado 80111

RE: DRAFT Limited Subsurface Investigation
Northwest Logistics Center Parking
East of International Place North
DuPont, Washington 98327
ATC Project No. NPPAN20023

Dear Ms. Dickey:

On behalf of Panattoni Development Company, Inc. (Panattoni), ATC Group Services LLC (ATC) has prepared this report describing soil investigation activities performed at the Northwest Logistics Center Parking property, located east of International Place North in DuPont, Pierce County, Washington 98327 (Site).

The assessment activities were conducted to characterize the subsurface conditions in accordance with the Model Toxics Control Act (MTCA) and its implementation regulations defined in Chapter 70.105D of the Revised Code of Washington (RCW), Chapter 173-340 of the Washington Administrative Code (WAC), and Ecology's *Tacoma Smelter Plume Model Remedies Guidance*.

If you have questions, regarding the information presented in this report, or if you need additional information, please do not hesitate to contact us at (206) 781-1449.

Sincerely,
ATC Group Services LLC

Elisabeth Silver, LG
State of Washington Licensed Geologist
Senior Project Manager

Hillary R. Williams
National Client Manager

TABLE OF CONTENTS

1.0	INTRODUCTION.....	I
2.0	BACKGROUND.....	I
3.0	SITE INVESTIGATION	II
3.1	SUBSURFACE UTILITY CLEARANCE/GPR SURVEY AND SITE HEALTH AND SAFETY	II
3.2	SOIL SAMPLING PROCEDURES.....	III
3.3	LIMITED SUBSURFACE INVESTIGATION	III
4.0	SOIL ANALYTICAL METHODS.....	IV
4.1	SOIL ANALYSIS	IV
5.0	SUBSURFACE CHARACTERISTICS	IV
5.1	SOIL LITHOLOGY	IV
6.0	INVESTIGATION RESULTS AND FINDINGS	V
7.0	CONCLUSIONS AND RECOMMENDATIONS.....	V
8.0	LIMITATIONS AND RELIANCE.....	VI
9.0	CERTIFICATION	VI

TABLE:

Table 1 - Summary of Soil Analytical Results –Total Metals

FIGURES:

Figure 1 – Site Vicinity Map

Figure 2 – Sample Location Map

APPENDIX:

Appendix A - Boring Logs

Appendix B - Laboratory Analytical Reports and Chain of Custody Documentation

1.0 INTRODUCTION

On May 28 and 29, 2020, ATC Group Services LLC (ATC) conducted subsurface investigation activities at the Northwest Logistics Center Parking property, located east of International Place North in DuPont, Washington (Site). The Site is currently vacant land with varied terrain (graded south to north with dropping elevations) and areas with overgrown vegetation and brush. The Site Vicinity Map is shown on **Figure 1**.

The purpose of the investigation was to further investigate recognized environmental conditions identified in a Phase I Environmental Site Assessment (ESA) prepared by ATC dated May 22, 2020, which were to evaluate the fill materials placed on the property in circa 2007 and the native soil below the fill material for arsenic and lead from potential smelter plume impacts.

2.0 BACKGROUND

Based on the information provided for the Site, the property consists of 5.34-acre parcel of vacant land located east of International Place North in DuPont, Washington. According to information obtained from the Pierce County Assessor-Treasurer, the property is identified as Parcel Number 3000390282 with no physical address.

Prior reports (*Subsurface Exploration, Geologic Hazard, and Preliminary Geotechnical Engineering Report, International Place, DuPont, Washington*, prepared by Associated Earth Sciences, Inc. (AES), dated March 1, 2012; *Soil Sampling and Analyses, Steilacoom Property Purchase, International Place, DuPont, Washington*, prepared by AES, dated March 15, 2012; *Phase I Environmental Site Assessment, Steilacoom Property Purchase, International Place, DuPont, Washington*, prepared by AES, dated March 15, 2012) indicated that the property is covered with fill ranging in thickness from about 0.25 feet to 5 feet below ground surface (bgs). Based on information presented in the Phase I report, the fill was likely emplaced after 2006 but before 2012. In addition, the property was identified in an area that may have elevated levels of arsenic and lead in near surface soils from air pollution caused by regional emissions from the former Asarco Company Tacoma copper smelting plant.

According to the State of Washington Department of Ecology (Ecology) Tacoma Smelter Plume map, the property is in an area that could have arsenic concentrations in soil ranging from 40.1 milligrams per kilogram (mg/kg) to 100 mg/kg. However, the Tacoma Smelter Plume map does not map the lead concentrations, lead concentrations in soil could also be present related to the former smelter operations. The current Ecology Model Toxics Control Act (MTCA) Method A cleanup level for arsenic is 20 mg/kg and the current cleanup level for lead is 250 mg/kg.

In February 2012, AES completed shallow soil sampling that generally followed Ecology's *Draft Tacoma Smelter Plume Sampling Guidance* (no date reported) at 40 locations across the property using hand-operated equipment. Samples were collected at a depth interval of approximately zero to 6 inches, or 6 to 12 inches bgs. Sample locations were sited based on a regularly spaced grid. The results of the 2012 shallow soil sampling indicated that all samples submitted for analysis had detections of arsenic and/or lead at concentrations below the applicable MTCA Method A cleanup criteria for unrestricted site use of 20 mg/kg and 250 mg/kg, respectively. Petroleum hydrocarbons

were not detected in the two representative soil samples. The soil samples were collected at depths ranging between 6 and 12 inches bgs as recommended in Ecology's guidance document.

ATC prepared a Phase I ESA (dated May 22, 2020), which noted that 1) the fill material was from an unknown source, and 2) while the fill material was previously sampled for smelter plume impacts (arsenic and lead) as discussed above, only two samples were analyzed for total petroleum hydrocarbons. Therefore, ATC concluded that two samples of fill for analysis of total petroleum hydrocarbons was insufficient for fill characterization. The fill materials on the property from an unknown source represented a recognized environmental condition (REC) based on the potential for the fill material from an unknown source to be impacted and the lack of sufficient analytical data to support that the fill material is not impacted.

Based on information collected from the Phase I ESA, ATC recommended conducting a limited subsurface investigation to evaluate the fill materials placed on the property in circa 2007 and the native soil below the fill material for arsenic and lead from potential smelter plume impacts.

3.0 SITE INVESTIGATION

Based on a review of previous environmental reports, site soils that were previously sampled by AES in 2012 at depths of 6 to 12 inches bgs may not be representative of native, smelter-impacted soil, but instead be representative of the on-site fill material, as the material was reportedly emplaced after 1986, when the smelter ceased operation. Therefore, it is possible that native soil impacted by smelter air-fall is located below the site fill soils and based on the documentation provided to ATC, had not yet been evaluated. Additionally, prior analysis of fill was incomplete, as the fill source was unknown and not all required analyses were included previously.

As a result, in May 2020, ATC conducted a limited subsurface assessment to further evaluate the fill materials identified in 2012, and to investigate the native soil below the fill material for arsenic and lead. Fill materials required additional analyses to confirm compliance with MTCA cleanup levels. In order to evaluate for smelter impact, because the Northwest Logistics Center Parking Site is approximately 5.34 acres, per Ecology's 2019 *Tacoma Smelter Plume Model Remedies Guidance*, sites that are 10 acres or less, but greater than 5 acres, require at least 33 sampling locations be collected across the property. Samples collected previously at the property met the Smelter Plume Guidance, but were only collected from fill soils, which may have been emplaced between 2006 and 2012. Therefore, although these sample results were below cleanup levels, additional characterization was required for the native soil beneath the fill material.

3.1 Subsurface Utility Clearance/GPR Survey and Site Health and Safety

Prior to initiating investigation activities, ATC evaluated the areas to be investigated for the presence of subsurface structures and utilities by contacting Washington One-Call (811), the public utility notification center. Additionally, ATC subcontracted CNI Locates, Ltd. (CNI) of Bonney Lake, Washington to perform onsite utility location. ATC did not encounter any subsurface anomalies during the subsurface utility clearance activities.

A site specific health and safety plan was developed for this project in accordance with Occupational Safety and Health Administration (OSHA) and state regulations and adhered to during the field investigation.

3.2 Soil Sampling Procedures

Oversight of the drilling and sampling activities was performed by qualified ATC field geologists. All reusable soil sampling equipment was cleaned with a Liquinox wash, tap water rinse, and a distilled water rinse between each sampling attempt.

Soil samples were collected from the borings advanced using a direct push Geoprobe drill rig using 5 foot long samplers through the desired sample interval. After each sample interval was retrieved, the sampler was removed and cut to access soil for lithologic evaluation, field screening, and sample collection and preservation.

Soil recovery was generally good with a maximum recovery of nine feet from the borings. Some of the borings had poor recovery in the bottom several feet due to gravel in the native material. The soils were classified in general accordance with the Unified Soil Classification System (USCS). Field volatile organic compounds (VOCs) monitoring was performed by placing a portion of the sample in a sealable plastic bag and then mixing the contents to encourage volatilization of organic compounds present. A photoionization detector (PID) was inserted into the bag to measure the organic vapor level, which was then recorded on the boring logs (**Appendix A**).

The soil samples were named as follows; Boring type (i.e. Soil Boring [SB] followed by location designation number, followed by the depth of the collected soil sample, (ex; SB-1-1.0').

3.3 Limited Subsurface Investigation

ATC collected soil samples at 33 locations to further evaluate potential impacted fill materials, and to characterize the native soils beneath the fill for potential impact from the smelter plume. Soil samples were collected from the fill material, from the shallow horizon of the native material below the fill, and from the deeper zone ranging from 6 inches to 1 foot in depth into the native material at select locations.

In the samples adjacent to former exploration pits EP-1 through EP-5 advanced by others, samples were collected from the fill material, from the top 6 inches of the native material beneath the fill, and from the 6 to 12 inch interval of the native material beneath the fill. These samples were identified as SB-EP-1 through SB-EP-5, followed by the corresponding sample depth, i.e., SB-EP-1-2'.

Another 28 sample locations were sampled in a gridded pattern across the Site. All of the borings had soil samples collected from the top 6 inches of the native material beneath the fill. These sample locations were identified as SB-6 through SB-33, followed by the corresponding sample depth, i.e., SB-17-5'.

At 5 of the 28 grid soil borings, ATC also collected samples from the fill material. These samples were collected at borings SB-8, SB-16, SB-20, SB-24, and SB-25.

At 3 of the 28 grid soil borings, ATC also collected samples from the 6-12 inch interval of the native material beneath the fill material. These samples were collected at borings SB-16, SB-20, and SB-24.

4.0 SOIL ANALYTICAL METHODS

4.1 Soil Analysis

Select soil samples were submitted for analyses to Fremont Analytical of Seattle, Washington, an Ecology accredited laboratory for one or more of the following laboratory analyses:

- Total petroleum hydrocarbon identification (TPH-HCID),
- If present in HCID, for TPH as Gasoline by Northwest TPH Method NWTPH-Gx,
- If present in HCID, for TPH as Diesel/Oil by NWTPH-Dx,
- (VOCs by Environmental Protection Agency (EPA) Method 8260,
- Semi-volatile organic compounds (SVOCs) by EPA Method 8270,
- Organochlorine and organophosphorus pesticides by EPA Methods 8081 and 8270, respectively,
- Chlorinated herbicides by EPA Method 8151/8270 SIM,
- RCRA 8 Metals by EPA Method 6020/200.8/7471/7470,
- Hexavalent Chromium by EPA Method 7196, and
- Polychlorinated biphenyls (PCBs) (if TPH is detected) by EPA Method 8270.

Soil samples collected for VOC and gasoline analysis were field collected in accordance with EPA Method 5035A using a 5 gram soil core sampler inserted into a T-handle plunger. Each core sample was placed into laboratory provided 40 milliliter (ml) glass VOA vials. Each sample consisted of at least 2 vials containing methanol as preservative.

Soil samples collected for all other analyses, which included diesel and heavy oil-range petroleum hydrocarbons, cPAHs, RCRA 8 metals, PCBs, and Nitrate/Nitrite/Ammonia were submitted in laboratory prepared unpreserved capped glass jars.

Each sample jar or VOA vial was labeled, bagged, placed in an iced cooler and entered onto a chain of custody pending delivery to the analytical laboratory.

5.0 SUBSURFACE CHARACTERISTICS

5.1 Soil Lithology

Subsurface soils encountered during the advancement of the soil borings dominantly consisted of a layer of fill underlain by native material (Vashon Recessional Outwash). The fill material was encountered at depths of 0.5 to 6 feet bgs, and consisted primarily of silty fine to medium sand, with some gravel, and occasional organic materials. In three of the borings, a silt lens was encountered at the base of the fill interval. The fill was underlain by native material that extended to the maximum depth explored of 9 feet bgs. The native material consisted primarily of fine to coarse sand with gravel with occasional cobbles and silt. Boring logs are presented in **Appendix A**.

6.0 INVESTIGATION RESULTS AND FINDINGS

Sample results indicated that one of the native soil samples (SB-30-2.5'), contained an arsenic concentration of 65.7 mg/kg, which is above the MTCA Method A Cleanup Level for arsenic of 20 mg/kg. The site-wide average concentrations of arsenic and lead were calculated for the native material sample results. Averages were calculated for both the 0 to 6 inch and the 6 to 12 inch intervals using simple arithmetic averaging. The arithmetic average for arsenic in soil was 5.69 mg/kg for the 0 to 6 inch interval, and 3.46 mg/kg for the 6 to 12 inch interval. The arithmetic average for lead in soil was 2.24 mg/kg for the 0 to 6 inch interval, and 2.23 mg/kg for the 6 to 12 inch interval. These averages are all below the associated cleanup levels. Per Ecology's Smelter Guidance, averaged concentrations for each interval are compared to the associated MTCA cleanup level, and are considered elevated if they exceed it, and would require cleanup. Additionally, if any samples are greater than twice the cleanup level, averaging cannot be used. Metals analytical sample results and averaging data are summarized on **Table 1**.

Other analytical results indicated that one of the VOCs, butyl benzylphthalate, was detected in soil sample SB-EP-2-1' at a concentration of 133 µg/kg, which is below the MTCA Method B Cleanup Level of 530 mg/kg. No other compounds were detected above laboratory reporting limits in any of the remaining samples.

Sample locations are shown on the **Figure 2**. The laboratory analytical reports for the soil analyses is included in **Appendix B**.

7.0 CONCLUSIONS AND RECOMMENDATIONS

In May 2020, ATC conducted a limited subsurface investigation to evaluate the fill materials at the Site and to characterize the native soil below the fill material for arsenic and lead. Delineation was conducted in accordance with Ecology's July 2019 guidance document, *Tacoma Smelter Plume Model Remedies Guidance*. Sample results indicated that the site-wide averages for arsenic and lead in each horizon are below the respective 20 mg/kg and 250 mg/kg cleanup levels. However, one of the native soil samples (SB-30-2.5'), contained an arsenic concentration of 65.7 mg/kg, which is above the Tacoma Smelter Plume Model Remedy individual soil sample concentration of 40 mg/kg. Several other metals were also detected in the samples, but below associated cleanup levels. With the exception of butyl benzylphthalate in soil sample SB-EP-2-1, which was detected' at a concentration well below the MTCA Method B Cleanup Level, no other compounds were detected above laboratory reporting limits in any of the remaining samples.

In order to vertically and horizontally delineate the area in the vicinity of sample SB-30-2.5' to determine the extent of arsenic above the cleanup level, ATC recommends conducting additional soil sampling at the Northwest Logistics Center Parking Site to delineate the extent of the arsenic exceedance. Half of the soil samples should be collected from the top 6 inches of native material, and the other half from 6 inch to 1 foot into the native material. This work is scheduled to occur June 26, 2020, and will be reported following receipt of results.

8.0 LIMITATIONS AND RELIANCE

This report was prepared in accordance with the scope of work outlined in ATC's contract and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of Panattoni Development Company, Inc. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to ATC. To the extent this report is based on information provided to ATC by third parties, ATC may have made efforts to verify this third party information, but ATC cannot guarantee the completeness or accuracy of this third party information. The opinions expressed and data collected are based on the conditions of the Site existing at the time of the field investigation. No other warranties, expressed or implied are made by ATC.

9.0 CERTIFICATION

The information provided in this Limited Subsurface Assessment, for Northwest Logistics Center Parking, in DuPont, Pierce County, Washington 98327 was prepared under the supervision of a State of Washington Licensed Geologist.

A professional geologist's certification of conditions comprises a declaration of his or her professional judgement. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility to abide by contract documents, applicable codes, standards, regulations and ordinances.

We appreciate the opportunity to be of service in this matter. If you have questions regarding this report, please contact us at (206) 781-1449.

Sincerely,
ATC Group Services LLC

Elisabeth Silver, LG
State of Washington Licensed Geologist
Senior Project Manager

Hillary R. Williams
National Client Manager

TABLE

Table 1 - Summary of Soil Analytical Results - Total Metals

Northwest Logistics Center Parking

East of International Place North

DuPont, Washington

ATC Project No. NPPAN20023

Boring ID	Sample ID	Sample Depth Interval (feet below ground surface)	Sample Matrix	Sample Date	Total Metals ¹ in mg/kg							
					Arsenic	Lead	Mercury	Barium	Cadmium	Total Chromium*	Selenium	Silver
SB-EP-1	SB-EP-1-2'	2.0	Fill	5/28/2020	4.38	3.19	<0.265	75.6	<0.180	19.7	1.020	<0.0901
	SB-EP-1-6'	6.0	Native	5/28/2020	3.64	2.66	NA	NA	NA	NA	NA	NA
	SB-EP-1-6.5'	6.5	Native	5/28/2020	3.27	2.03	NA	NA	NA	NA	NA	NA
SB-EP-2	SB-EP-2-1'	1.0	Fill	5/28/2020	4.15	2.99	<0.255	71.7	<0.158	22.6	0.804	<0.0790
	SB-EP-2-2.3'	3.0	Native	5/28/2020	3.30	2.05	NA	NA	NA	NA	NA	NA
	SB-EP-2-3.5'	3.5	Native	5/28/2020	4.12	2.34	NA	NA	NA	NA	NA	NA
SB-EP-3	SB-EP-3-0.5'	1.0	Fill	5/28/2020	4.19	2.54	<0.237	60.1	<0.157	23.7	0.861	<0.0787
	SB-EP-3-6'	3.0	Native	5/28/2020	2.88	1.53	NA	NA	NA	NA	NA	NA
	SB-EP-3-6.5'	3.5	Native	5/28/2020	3.56	2.32	NA	NA	NA	NA	NA	NA
SB-EP-4	SB-EP-4-1'	1.0	Fill	5/28/2020	4.12	3.48	<0.242	80.1	<0.177	19.9	0.932	<0.0885
	SB-EP-4-2'	2.0	Native	5/28/2020	3.69	2.00	NA	NA	NA	NA	NA	NA
	SB-EP-4-2.5'	2.5	Native	5/28/2020	3.60	2.33	NA	NA	NA	NA	NA	NA
SB-EP-5	SB-EP-5-1'	1.0	Fill	5/28/2020	4.51	3.77	<0.288	72.6	<0.179	20.0	1.020	<0.0897
	SB-EP-5-5'	5.0	Native	5/28/2020	3.49	2.39	NA	NA	NA	NA	NA	NA
	SB-EP-5-5.5'	5.5	Native	5/28/2020	3.15	2.11	NA	NA	NA	NA	NA	NA
SB-6	SB-6-1'	1.0	Native	5/28/2020	2.70	1.62	NA	NA	NA	NA	NA	NA
SB-7	SB-7-1.5'	1.5	Native	5/28/2020	3.79	2.25	NA	NA	NA	NA	NA	NA
SB-8	SB-8-0.5'	0.5	Fill	5/28/2020	5.82	5.90	<0.250	63.7	<0.159	16.5	1.35	<0.0795
	SB-8-3'	3.0	Native	5/28/2020	3.97	2.47	NA	NA	NA	NA	NA	NA
SB-9	SB-9-1'	1.0	Native	5/28/2020	5.12	2.71	NA	NA	NA	NA	NA	NA
SB-10	SB-10-1.5'	1.5	Native	5/28/2020	3.70	2.06	NA	NA	NA	NA	NA	NA
SB-11	SB-11-2'	2.0	Native	5/28/2020	4.11	3.14	NA	NA	NA	NA	NA	NA
SB-12	SB-12-2.5'	2.5	Native	5/28/2020	4.11	2.99	NA	NA	NA	NA	NA	NA
SB-13	SB-13-1.5'	1.5	Native	5/28/2020	3.64	2.00	NA	NA	NA	NA	NA	NA
SB-14	SB-14-6'	6.0	Native	5/29/2020	3.85	2.19	NA	NA	NA	NA	NA	NA
SB-15	SB-15-5'	5.0	Native	5/29/2020	4.94	3.19	NA	NA	NA	NA	NA	NA
SB-16	SB-16-1'	1.0	Fill	5/29/2020	4.59	3.57	<0.243	75.5	<0.160	25.0/<0.497	1.30	<0.0798
	SB-16-3'	3.0	Native	5/29/2020	2.98	2.27	NA	NA	NA	NA	NA	NA
	SB-16-3.5'	3.5	Native	5/29/2020	2.79	1.62	NA	NA	NA	NA	NA	NA
SB-17	SB-17-5'	5.0	Native	5/29/2020	9.03	3.35	NA	NA	NA	NA	NA	NA
SB-18	SB-18-3.5	3.5	Native	5/29/2020	2.96	2.31	NA	NA	NA	NA	NA	NA
SB-19	SB-19-3'	3.0	Native	5/29/2020	4.92	2.10	NA	NA	NA	NA	NA	NA
SB-20	SB-20-2'	2.0	Fill	5/29/2020	4.21	2.81	<0.221	68	<0.158	21.4/<0.503	1.24	<0.0789
	SB-20-3'	3.0	Native	5/29/2020	3.97	2.26	NA	NA	NA	NA	NA	NA
	SB-20-3.5	3.5	Native	5/29/2020	3.71	3.04	NA	NA	NA	NA	NA	NA
SB-21	SB-21-4'	4.0	Native	5/29/2020	3.29	2.18	NA	NA	NA	NA	NA	NA
SB-22	SB-22-3.5'	3.5	Native	5/29/2020	3.37	2.37	NA	NA	NA	NA	NA	NA
SB-23	SB-23-3'	3.0	Native	5/29/2020	4.96	2.04	NA	NA	NA	NA	NA	NA
SB-24	SB-24-1.5'	1.5	Fill	5/29/2020	7.08	5.52	<0.245	65.5	<0.171	22.0/<0.508	1.11	<0.0855
	SB-24-3.5'	3.5	Native	5/29/2020	3.78	2.46	NA	NA	NA	NA	NA	NA
	SB-24-4'	4.0	Native	5/29/2020	3.49	2.08	NA	NA	NA	NA	NA	NA
SB-25	SB-25-0.5'	0.5	Fill	5/29/2020	5.75	2.46	<0.229	76	<0.152	26.0/<0.492	1.29	<0.0761
	SB-25-1'	1.0	Native	5/29/2020	3.07	1.82	NA	NA	NA	NA	NA	NA
SB-26	SB-26-0.5'	0.5	Native	5/29/2020	3.74	1.68	NA	NA	NA	NA	NA	NA
SB-27	SB-27-1'	1.0	Native	5/29/2020	3.12	1.78	NA	NA	NA	NA	NA	NA
SB-28	SB-28-2.5'	2.5	Native	5/29/2020	3.52	1.96	NA	NA	NA	NA	NA	NA
SB-29	SB-29-2.5'	2.5	Native	5/29/2020	3.36	2.04	NA	NA	NA	NA	NA	NA
SB-30	SB-30-2.5'	2.5	Native	5/29/2020	65.7	1.85	NA	NA	NA	NA	NA	NA
SB-31	SB-31-3.5'	3.5	Native	5/29/2020	3.29	2.36	NA	NA	NA	NA	NA	NA
SB-32	SB-32-3'	3.0	Native	5/29/2020	2.59	1.57	NA	NA	NA	NA	NA	NA
SB-33	SB-33-4'	4.0	Native	5/29/2020	3.16	2.24	NA	NA	NA	NA	NA	NA
MTCA - Method A Cleanup Levels for Unrestricted Land Uses					20	250	2	NAV	2	2,000/19 ²	NAV	NAV
MTCA-Method B Cleanup Levels, Non Carcinogen for Unrestricted Land Uses					24	NAV	NAV	16,000	80	120,000/240 ³	400	400
Arithmetic Average (0.0' to 0.5')					5.69	2.24						
Arithmetic Average (0.5' to 1.0')					3.46	2.23						

Notes:

mg/kg = millgram per kilogram

BOLD = detected above laboratory reporting limits**SHADED** = detected above associated cleanup level

NAV = Not Available

MTCA - Washington State Department of Ecology Model Toxics Control Act

< = Less than Laboratory Reporting Limit

NA=Not Analyzed

1 = Analytical results by inductively coupled plasma and mass spectrometry by United States Environmental Protection Agency (EPA) Method 6020 or cold-vapor atomic absorption by EPA Method 7471

2 = 2,000 mg/kg cleanup level for Chromium III and 19 mg/kg cleanup level for Chromium VI

3 = 120,000 mg/kg cleanup level for Chromium III and 240 mg/kg cleanup level for Chromium VI

* When two values are present, the first is total chromium and the second is hexavalent chromium.

FIGURES



SOURCE: USGS Topographic Map, Fort Lewis/Steilacoom, WA Quadrangle, 7.5 Minute Series, dated 2014



6347 Seaview Avenue NW
Seattle, Washington 98107
(206) 781-1449

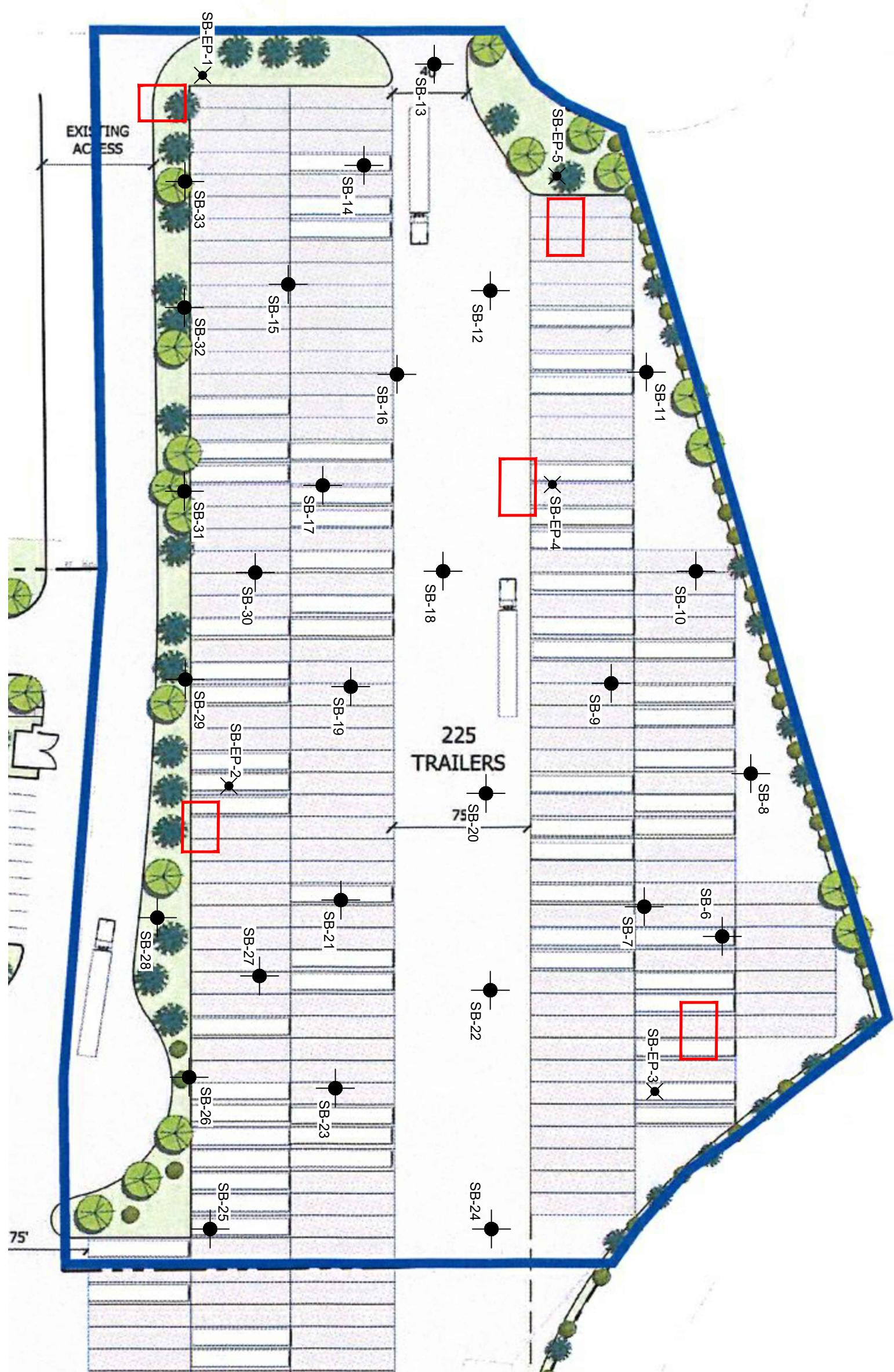
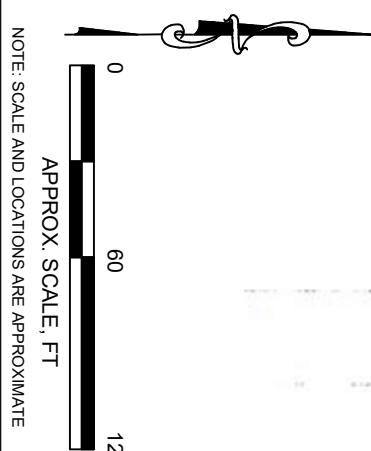
PROJECT NO.: NPPAN20023

FIGURE 1 SCALE:N/A REVIEWED BY: NB

DRAWN BY: N/A DATE: 05/2020 FILE: FIGURE 1

SITE VICINITY MAP

**NORTHWEST LOGISTICS CENTER PARKING
EAST OF INTERNATIONAL PLACE NORTH
DUPONT, WASHINGTON 980327**



SAMPLE LOCATION MAP
NORTHWEST LOGISTICS CENTER PARKING
DUPONT, WA

PROJECT NUMBER: NPPAN20023	DATE: 6/24/20	FIGURE
APPROVED BY: ES	DRAWN BY: BK	2
ATC	6347 Seaview Avenue NW Seattle, Washington 98107 Ph: (206) 781-1449 *** Fax: (206) 781-1543	

APPENDIX A
Boring Logs

LOG OF SB-EP-01

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/28/20 Ended 5/28/20

Total Depth (ft) 7

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
2	SB-EP-1-2'		0.5			(FILL) SILTY FINE-MEDIUM SAND, dark brown, loose to medium dense, moist. No petroleum odor.	2
4	CT			SM			4
6	SB-EP-1-6'		0.5				6
6.5	SB-EP-1-6.5		0.6	SW		(VASHON RECESSSIONAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, yellow-brown, loose, moist. No petroleum odor.	
						Bottom of hole at 7 feet	
8							8



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-EP-02

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

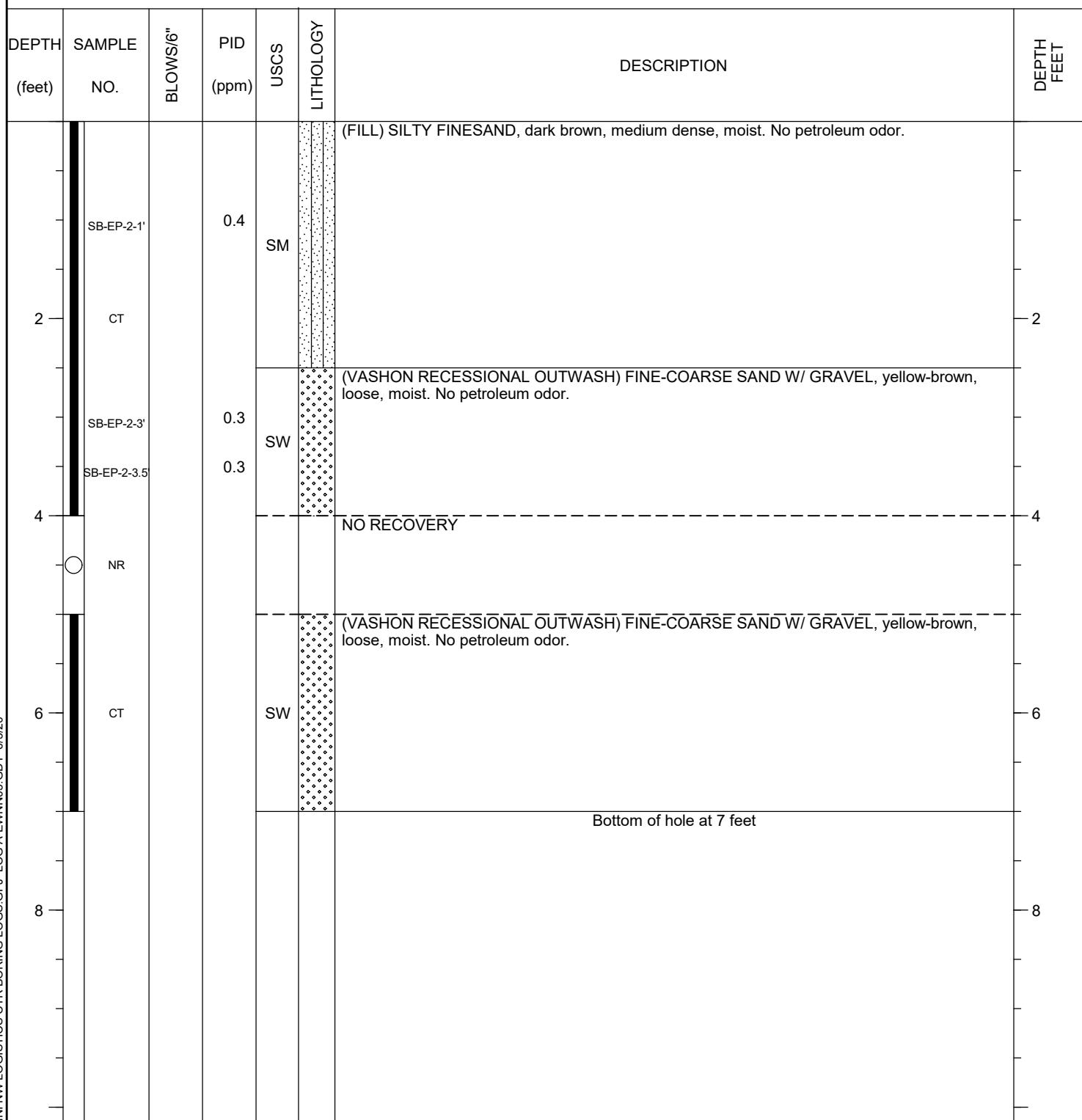
Drilling Started 5/28/20 Ended 5/28/20

Total Depth (ft) 7

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-EP-03

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/28/20 Ended 5/28/20

Total Depth (ft) 9

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
	SB-EP-3-0.5		0.5			(FILL) SILTY FINESAND, dark brown to gray-brown, medium dense, moist. No petroleum odor.	
2				SM			2
4	CT						4
6	SB-EP-3-6'		0.3			(VASHON RECESSSIONAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, yellow-brown to brown, medium dense, damp. No petroleum odor.	6
SB-EP-3-6.5		0.4		SW			
8							8
						Bottom of hole at 9 feet	



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-EP-04

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/28/20 Ended 5/28/20

Total Depth (ft) 7

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
	SB-EP-4-1'					(FILL) SILTY FINE-MEDIUM SAND, dark brown, loose, moist. No petroleum odor.	
	SB-EP-4-2'					(VASHON RECESSIVE OUTWASH) FINE-COARSE SAND W/ GRAVEL, yellow-brown, medium dense, moist. No petroleum odor.	
2	SB-EP-4-2.5		1.9	SM			2
2	CT		0.3	SW			2
2	SB-EP-4-2.5		0.2	SW		NO RECOVERY.	2
4	NR						4
6	CT			SW		(VASHON RECESSIVE OUTWASH) FINE-COARSE SAND W/ GRAVEL, yellow-brown, medium dense, loose. No petroleum odor.	6
6						Bottom of hole at 7 feet	6
8							8



LOG OF SB-EP-05

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/28/20 Ended 5/28/20

Total Depth (ft) 7

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
2	SB-EP-5-2'		0.4	SW		(FILL) SILTY FINE-MEDIUM SAND W/ GRAVEL, dark brown, loose to medium dense, moist. No petroleum odor.	2
4	CT						4
6	SB-EP-5-5'		0.1	SW		(VASHON RECESSATIONAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, yellow-brown, loose, moist. No petroleum odor.	6
7	SB-EP-5-6'		0.2			NO RECOVERY.	7
						Bottom of hole at 7 feet	8



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-06

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

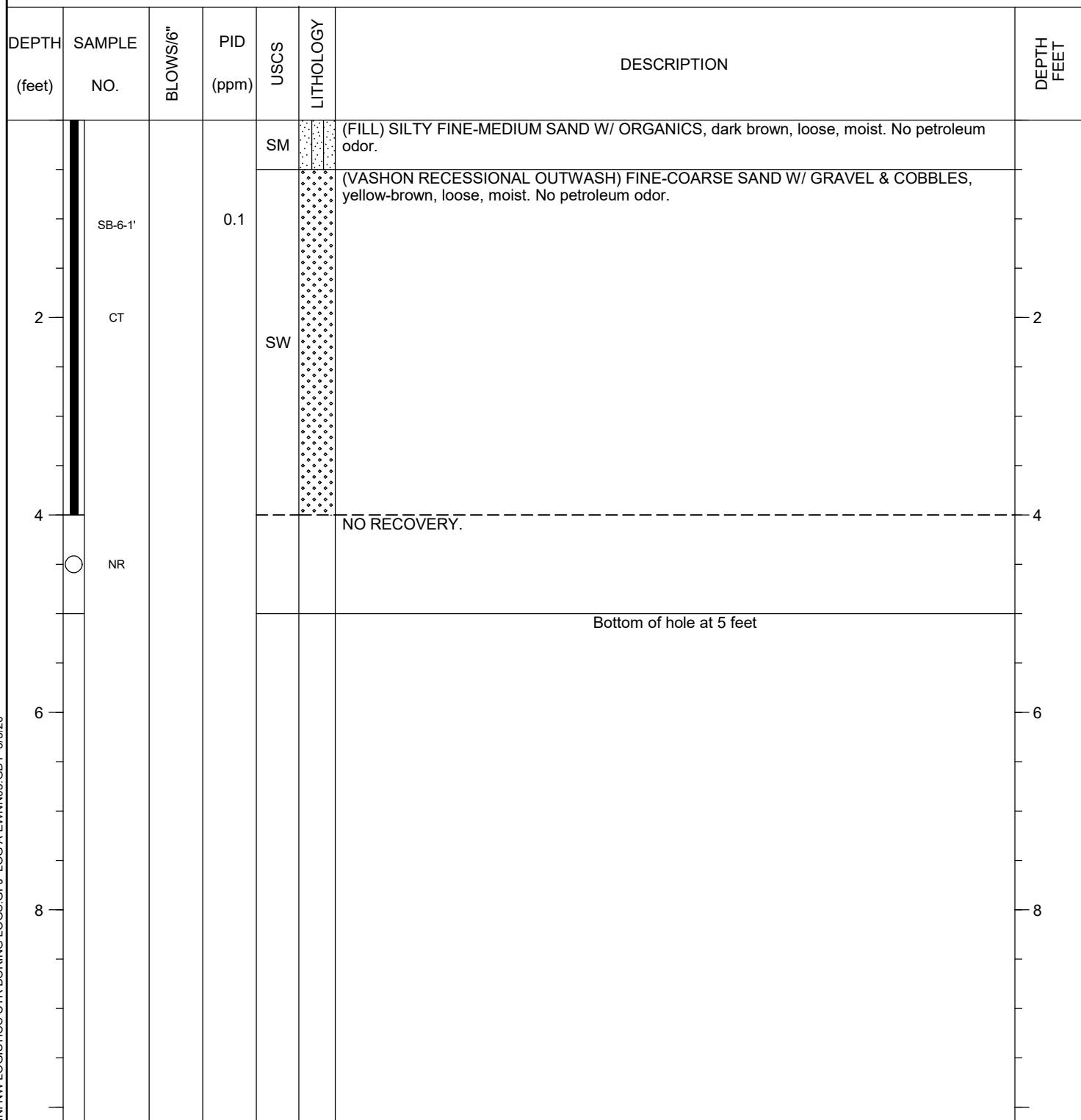
Drilling Started 5/28/20 Ended 5/28/20

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-07

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/28/20 Ended 5/28/20

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
						(FILL) SILTY FINE-MEDIUM SAND, dark brown to brown, loose, moist. No petroleum odor.	
SB-7-1.5' CT				SM			
2		0.6		SW		(VASHON RECESSSIONAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, yellow-brown to brown, medium dense, moist. No petroleum odor.	2
4	NR					NO RECOVERY.	4
						Bottom of hole at 5 feet	
6							6
8							8



6347 Seaview Avenue NW
Seattle, WA 98107
Phone: 206-781-1449
Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-08

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/28/20 Ended 5/28/20

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
	SB-8-0.5'		0.9	SM	(FILL) SILTY FINE-MEDIUM SAND W/ ORGANICS, dark brown to brown, loose, moist. No petroleum odor.		
2	CT			SW	(VASHON RECESSSIONAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, yellow-brown, medium dense, moist. No petroleum odor.		2
4	SB-8-3'		0.5				4
5						Bottom of hole at 5 feet	5
6							6
8							8



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-09

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

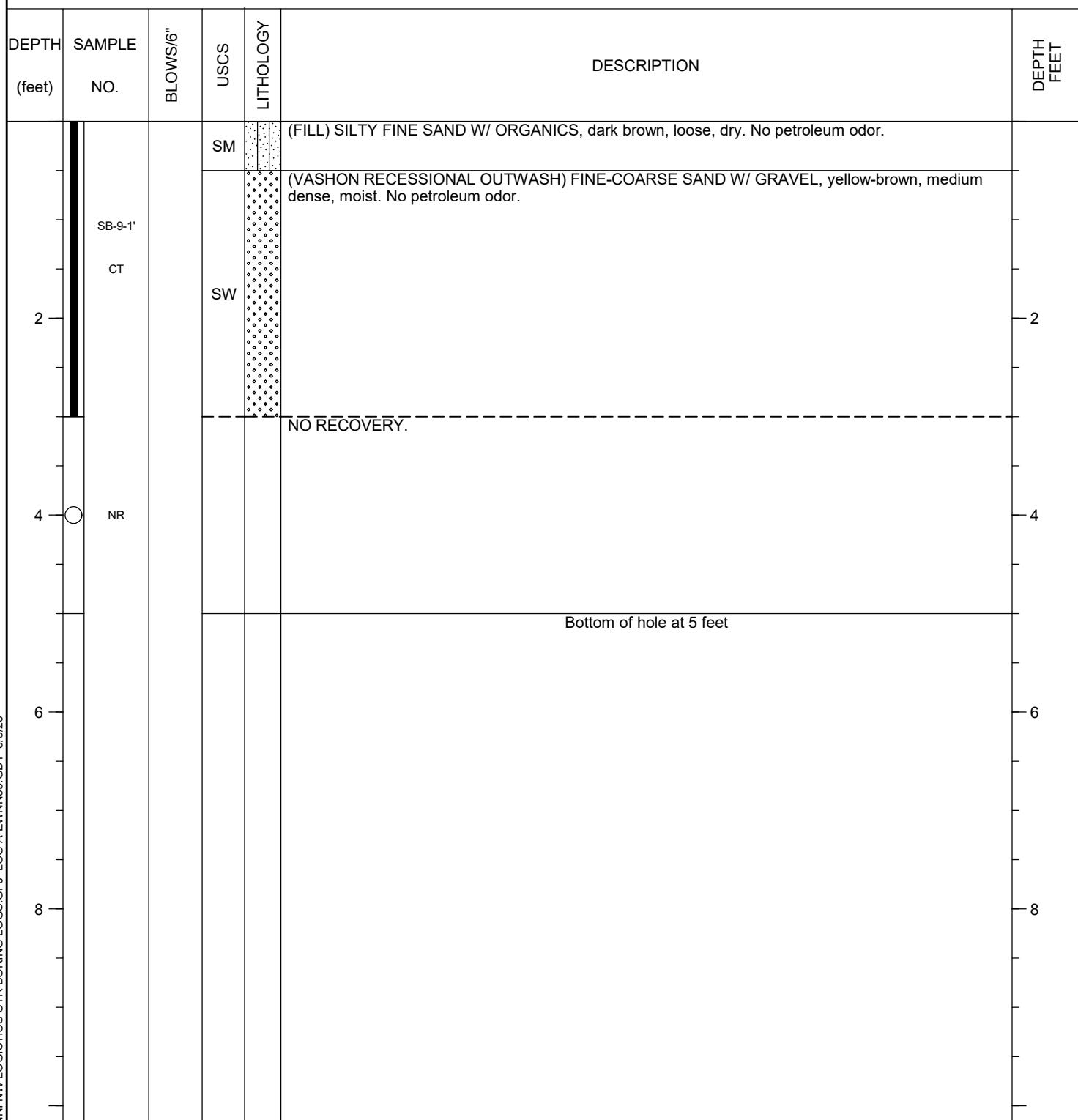
Drilling Started 5/28/20 Ended 5/28/20

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-10

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

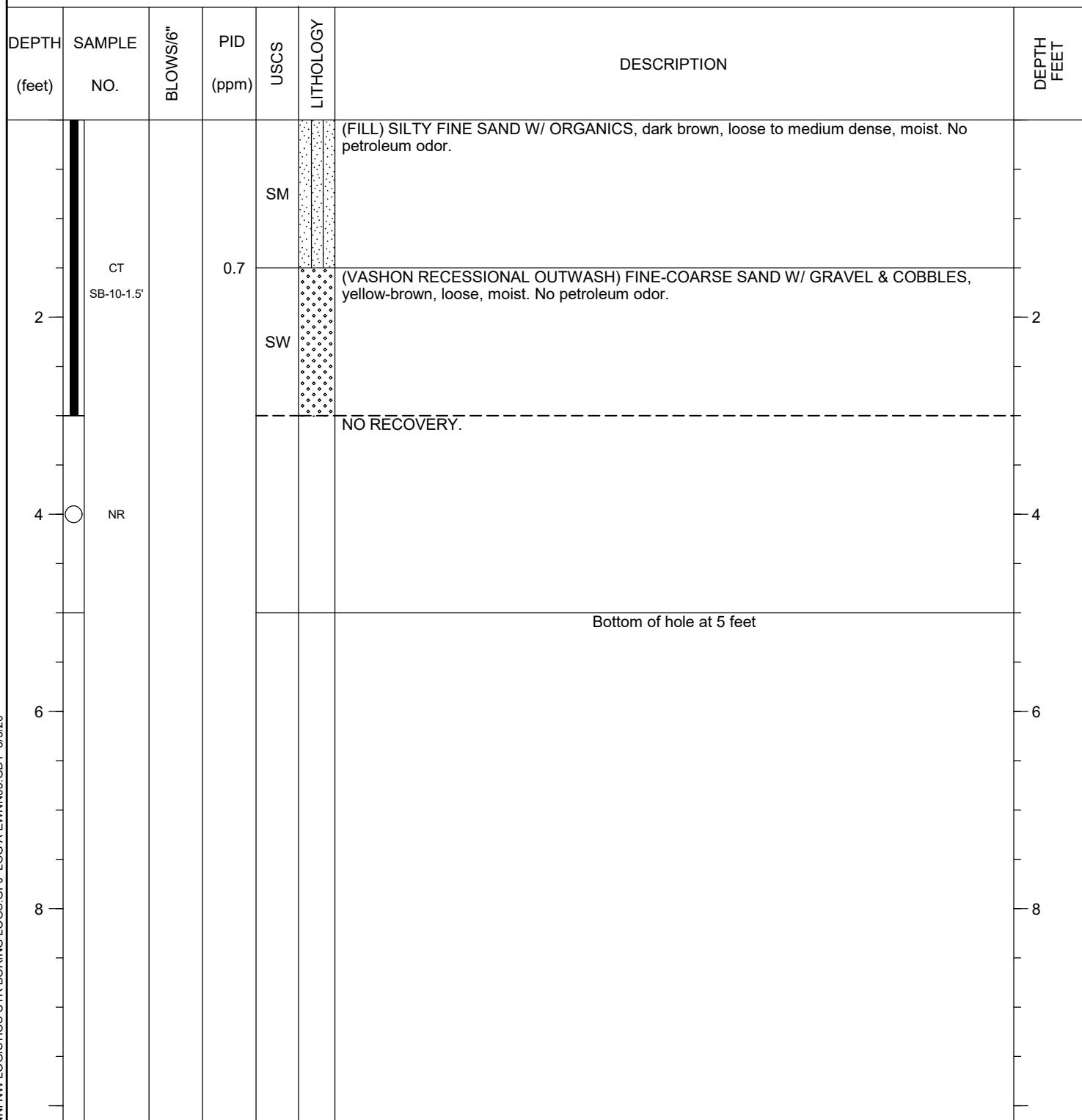
Drilling Started 5/28/20 Ended 5/28/20

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-11

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/28/20 Ended 5/28/20

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
2	SB-11-2'	0.3		SM		(FILL) SILTY FINE SAND W/ ORGANICS, dark brown, medium dense, moist. No petroleum odor.	2
2	CT			SW		(VASHON RECESSATIONAL OUTWASH) FINE-COARSE SAND W/ SILT & GRAVEL, brown, loose, moist. No petroleum odor.	2
4	NR					NO RECOVERY.	4
6						Bottom of hole at 5 feet	6
8							8



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-12

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/28/20 Ended 5/28/20

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
2	CT						
SB-12-2.5'			0.5	SM		(FILL) SILTY FINE SAND W/ ORGANICS, dark brown, medium dense, moist. No petroleum odor.	
				SW		(VASHON RECESSATIONAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, brown, medium dense, moist. No petroleum odor.	
						NO RECOVERY.	
4	NR						
						Bottom of hole at 5 feet	
6							
8							



6347 Seaview Avenue NW
Seattle, WA 98107
Phone: 206-781-1449
Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-13

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

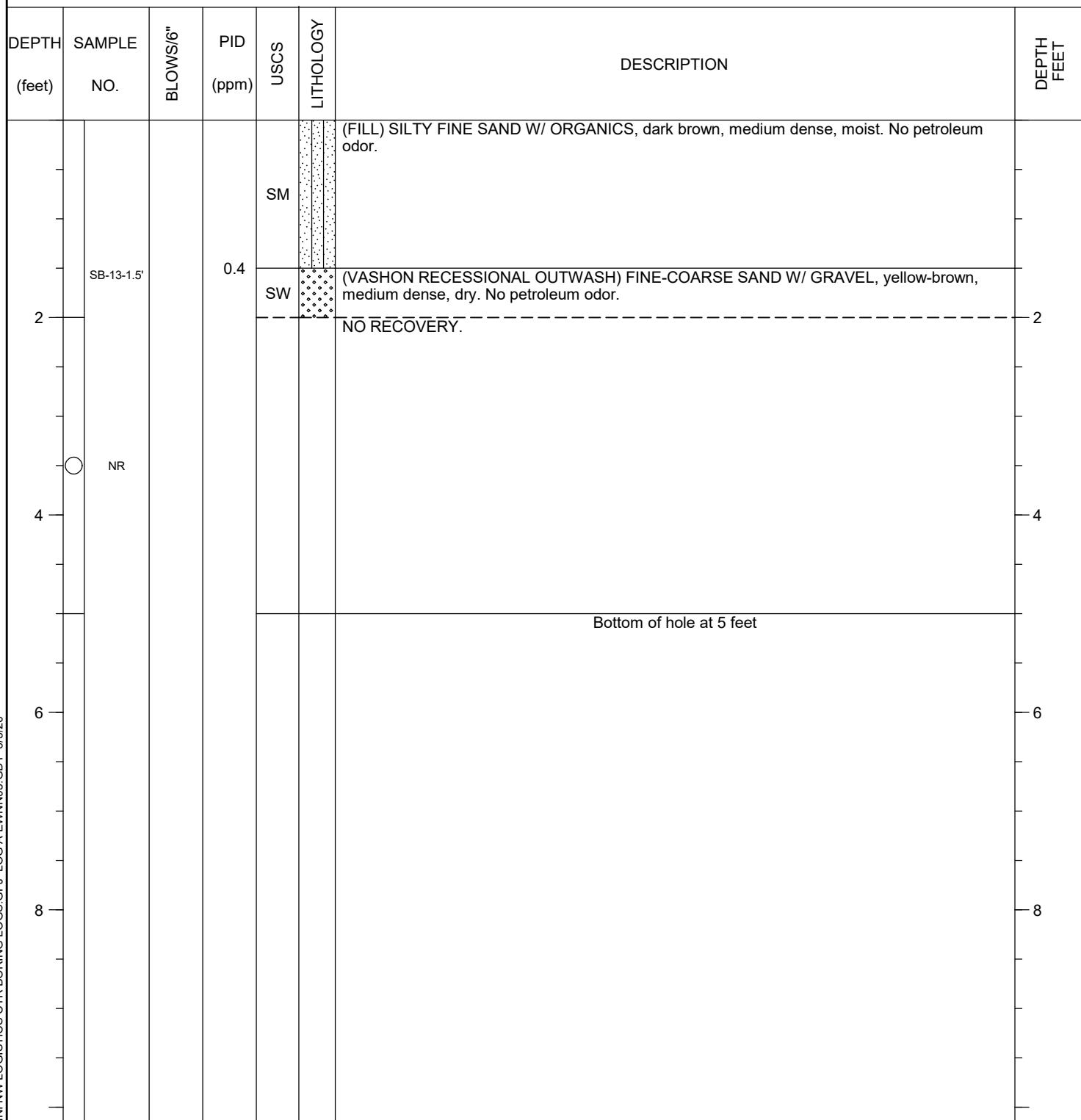
Drilling Started 5/28/20 Ended 5/28/20

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-14

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

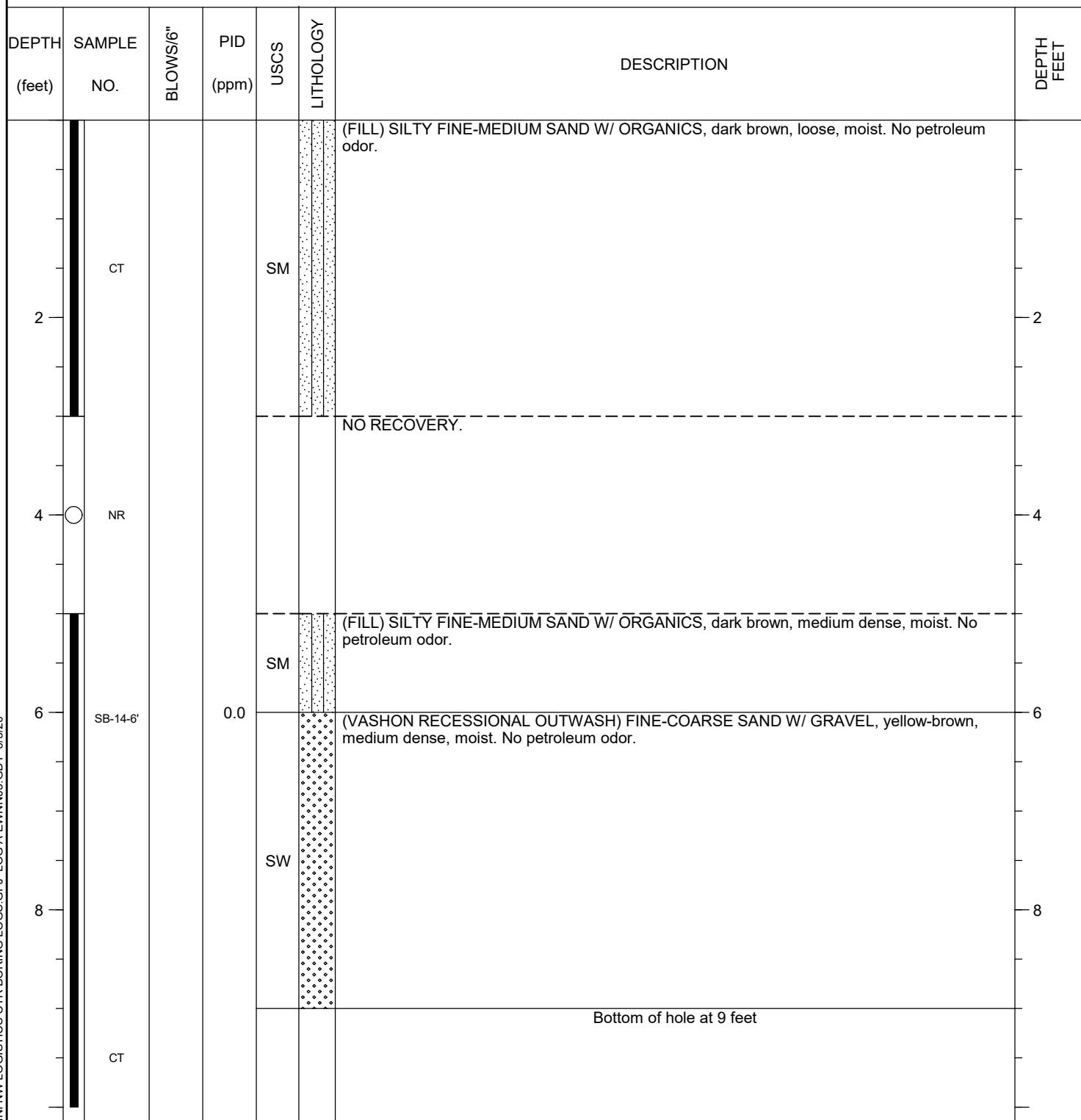
Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 9

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-15

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

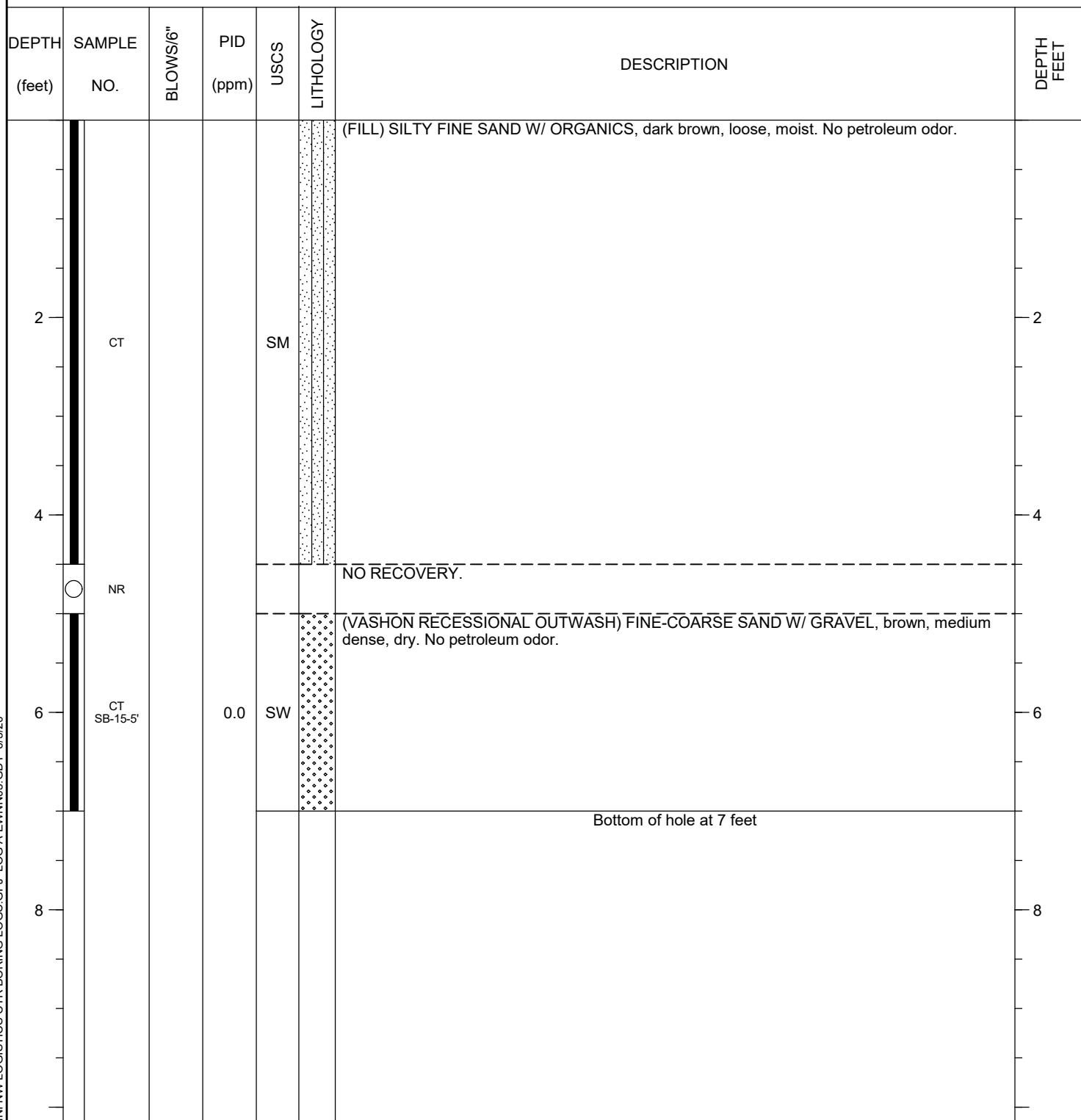
Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 7

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-16

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

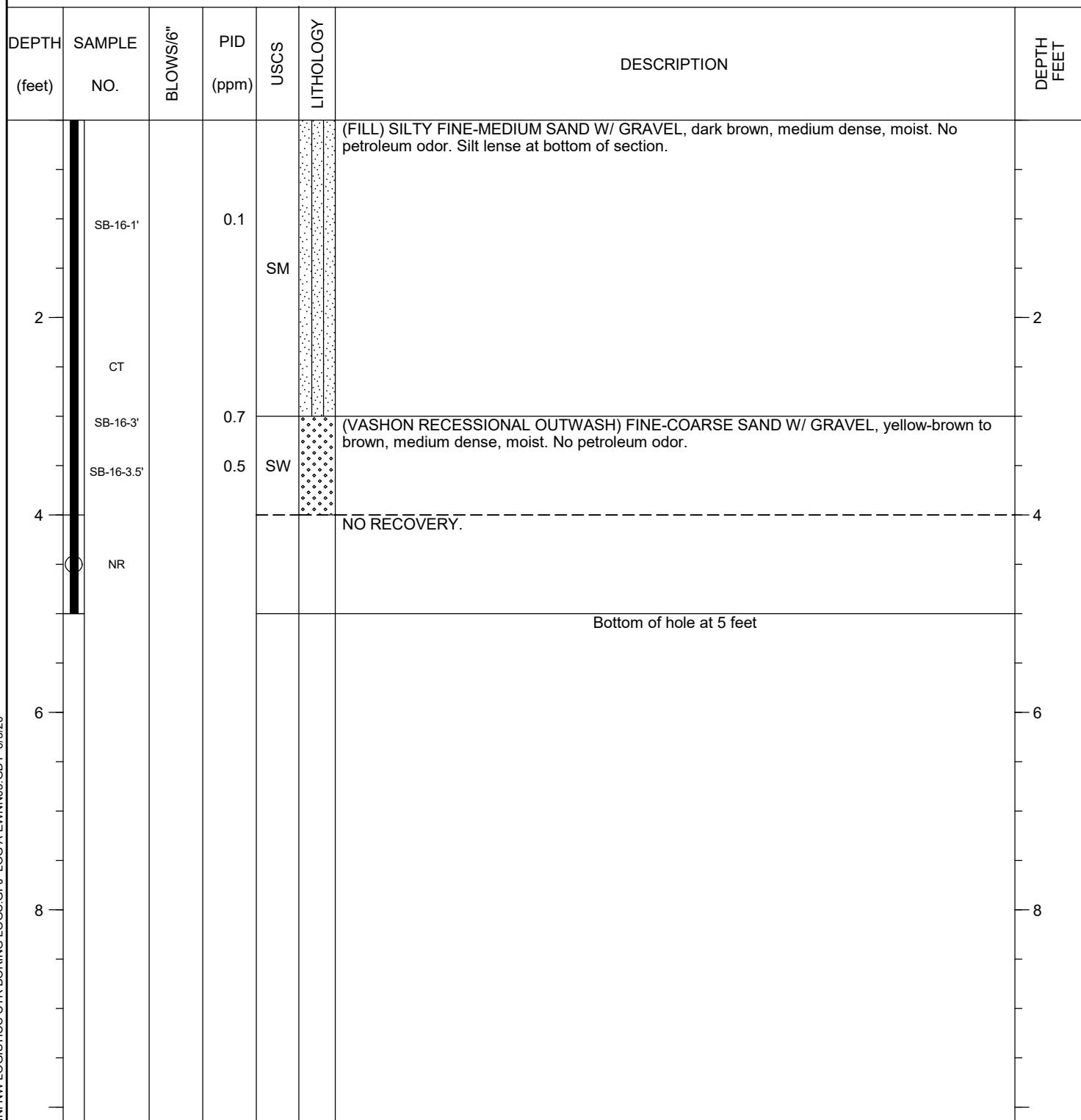
Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)



6347 Seaview Avenue NW
Seattle, WA 98107
Phone: 206-781-1449
Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-17

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

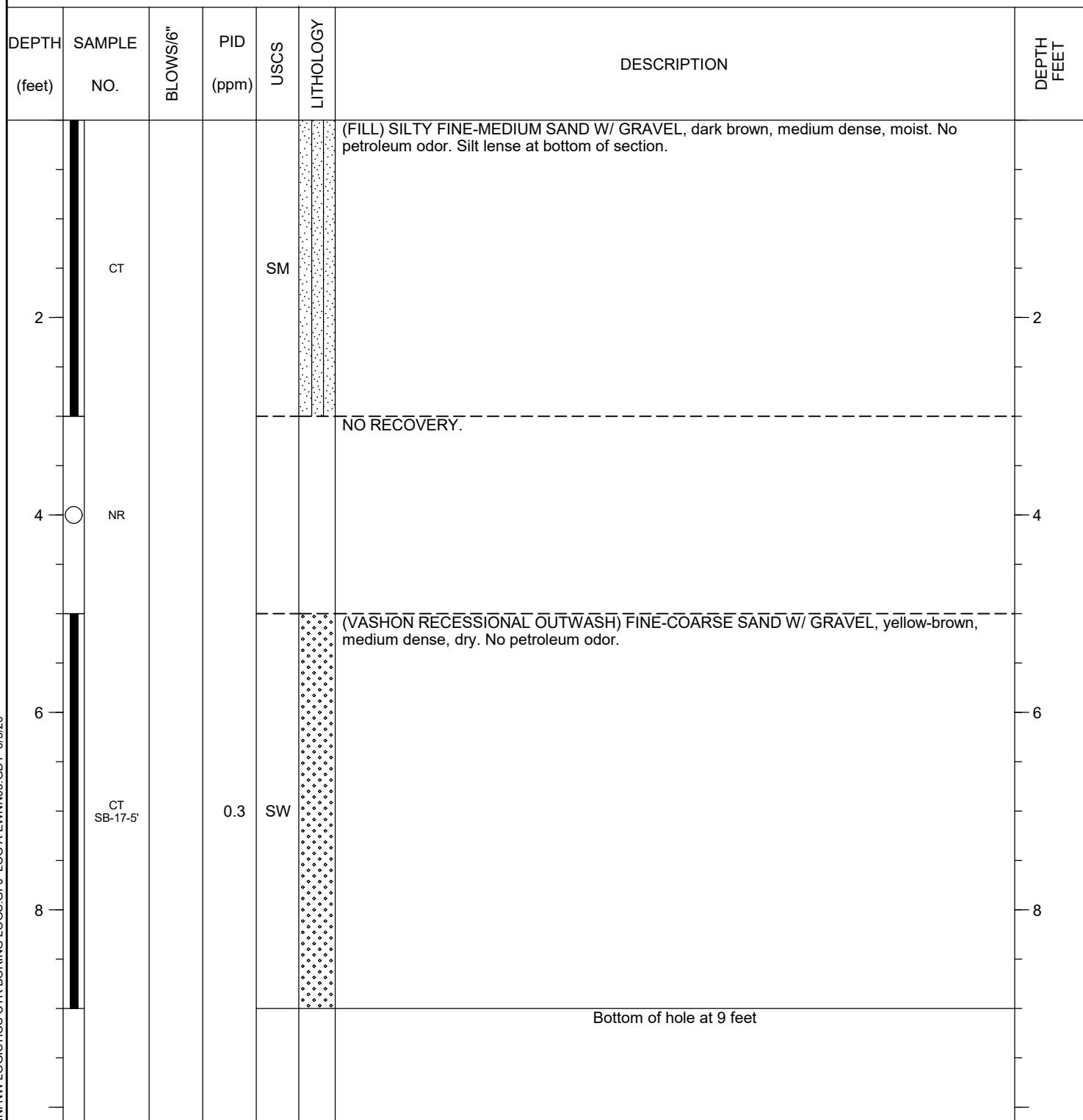
Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 9

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-18

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
2	CT			SM		(FILL) SILTY FINE-MEDIUM SAND W/ GRAVEL, dark brown, medium dense, moist. No petroleum odor. Silt lens at bottom of section.	2
SB-18-3.5'	0.3			SW		(VASHON RECESSSIONAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, yellow-brown, medium dense, moist. No petroleum odor.	
4	NR					NO RECOVERY.	4
						Bottom of hole at 5 feet	
6							6
8							8



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-19

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
2	CT			SM		(FILL) SILTY FINE-MEDIUM SAND W/ GRAVEL, dark brown, loose to medium dense, moist. No petroleum odor.	2
3.0	SB-19-3'	0.3		SW		(VASHON RECESSATIONAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, yellow-brown, medium dense, moist. No petroleum odor.	3.0
4	NR					NO RECOVERY.	4
						Bottom of hole at 5 feet	
6							6
8							8



6347 Seaview Avenue NW
Seattle, WA 98107
Phone: 206-781-1449
Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-20

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
2	SB-20-2' CT		0.3	SM		(FILL) SILTY FINE-MEDIUM SAND W/ GRAVEL, dark brown, medium dense, moist. No petroleum odor.	2
3	SB-20-3'		0.3				
4	SB-20-3.5' NR		0.3	SW		(VASHON RECESSSIONAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, yellow-brown, medium dense, moist. No petroleum odor. NO RECOVERY.	4
						Bottom of hole at 5 feet	
6							6
8							8



6347 Seaview Avenue NW
Seattle, WA 98107
Phone: 206-781-1449
Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-21

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
2	CT						2
4	SB-21-4'	0.5		SM		(FILL) SILTY FINE-MEDIUM SAND W/ GRAVEL, dark brown, medium dense, moist to wet. No petroleum odor.	4
	NR			SW		(VASHON RECESSATIONAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, yellow-brown, medium dense, moist. No petroleum odor. NO RECOVERY.	
						Bottom of hole at 5 feet	
6							6
8							8



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-22

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

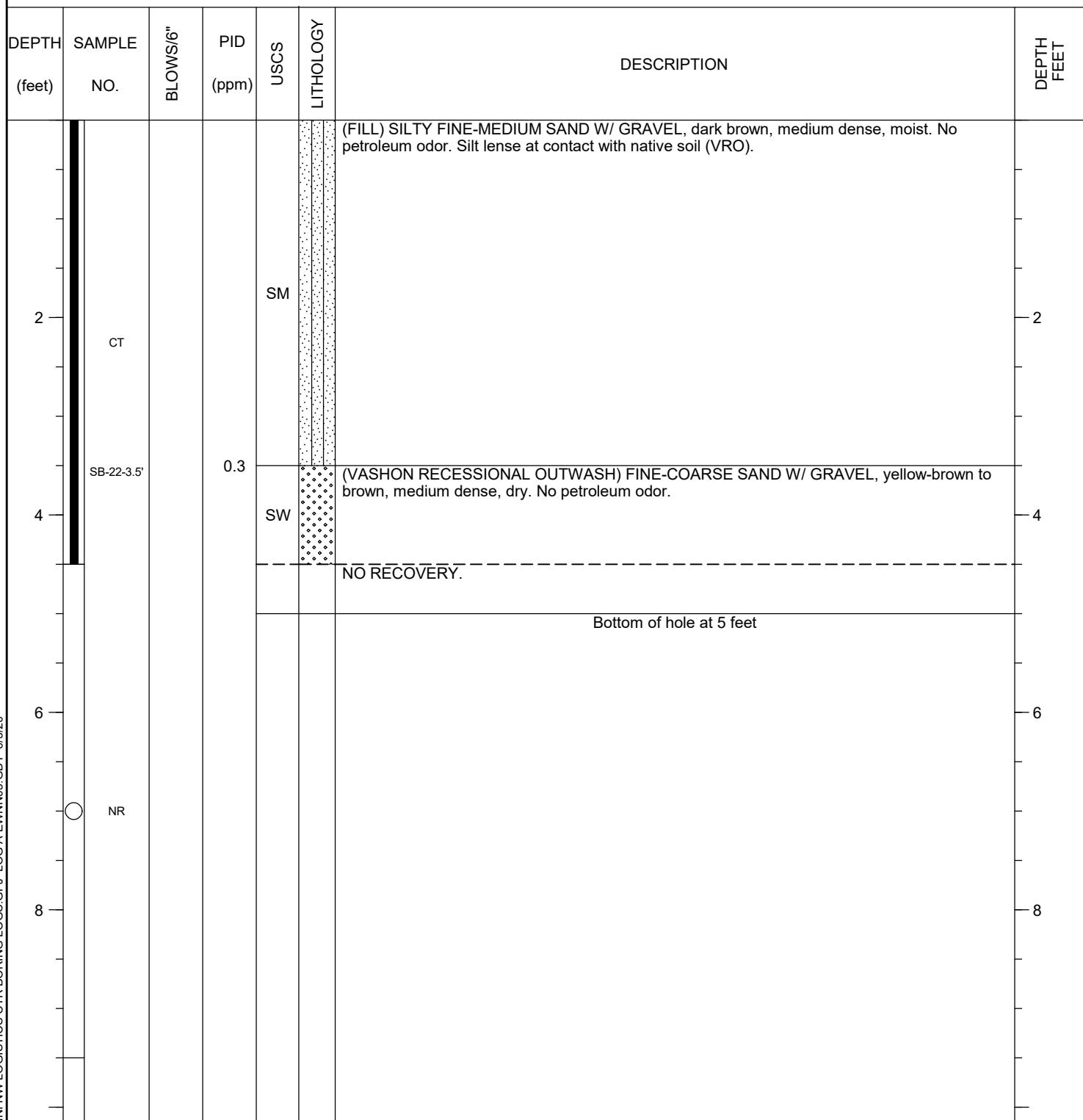
Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-23

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
2	CT			SM		(FILL) SILTY FINE-MEDIUM SAND W/ GRAVEL, dark brown, medium dense, moist. No petroleum odor.	2
SB-23-3'	0.4			SW		(VASHON RECESSSIONAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, yellow-brown, medium dense, moist. No petroleum odor.	4
NR						NO RECOVERY.	
						Bottom of hole at 5 feet	
6							6
8							8



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-24

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
2	SB-24-2.5'	CT	0.3	SM		(FILL) SILTY FINE-MEDIUM SAND W/ GRAVEL, dark brown, medium dense, moist. No petroleum odor.	2
3.5	SB-24-3.5'		0.3				
4	SB-24-4'		0.3	SW		(VASHON RECESSSIONAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, yellow-brown to brown, medium dense, moist. No petroleum odor.	4
4.5	NR					NO RECOVERY.	
						Bottom of hole at 5 feet	
6							6
8							8



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-25

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
2	SB-25-0.5'	0.3	SM			(FILL) SILTY FINE-MEDIUM SAND W/ GRAVEL, dark brown, medium dense, moist. No petroleum odor.	
2	SB-25-1'	0.4		SW		(VASHON RECEDENTIAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, yellow-brown to brown, medium dense, moist. No petroleum odor.	
4							
4							
5						Bottom of hole at 5 feet	
6							
8							



6347 Seaview Avenue NW
Seattle, WA 98107
Phone: 206-781-1449
Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-26

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

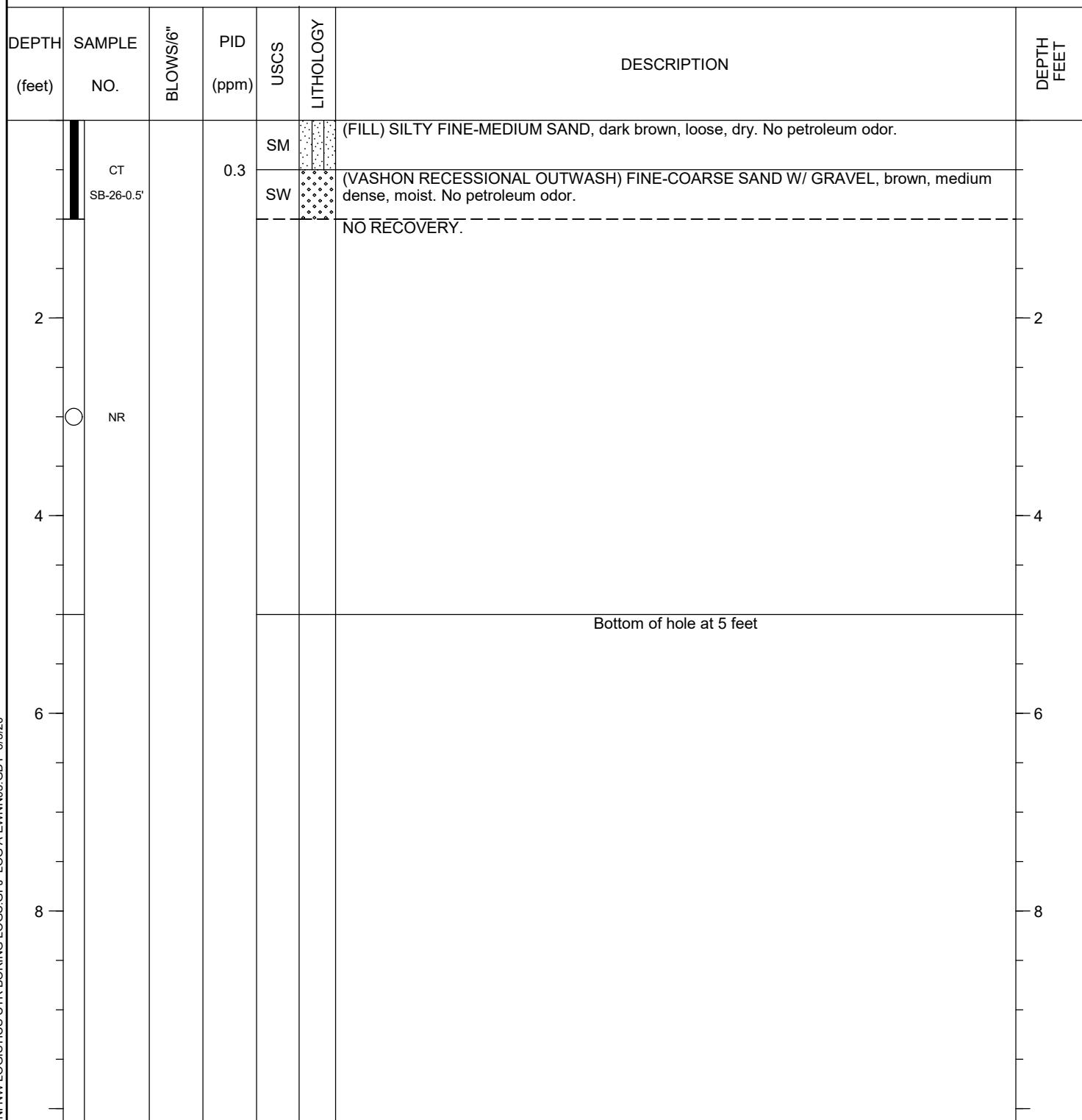
Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-27

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

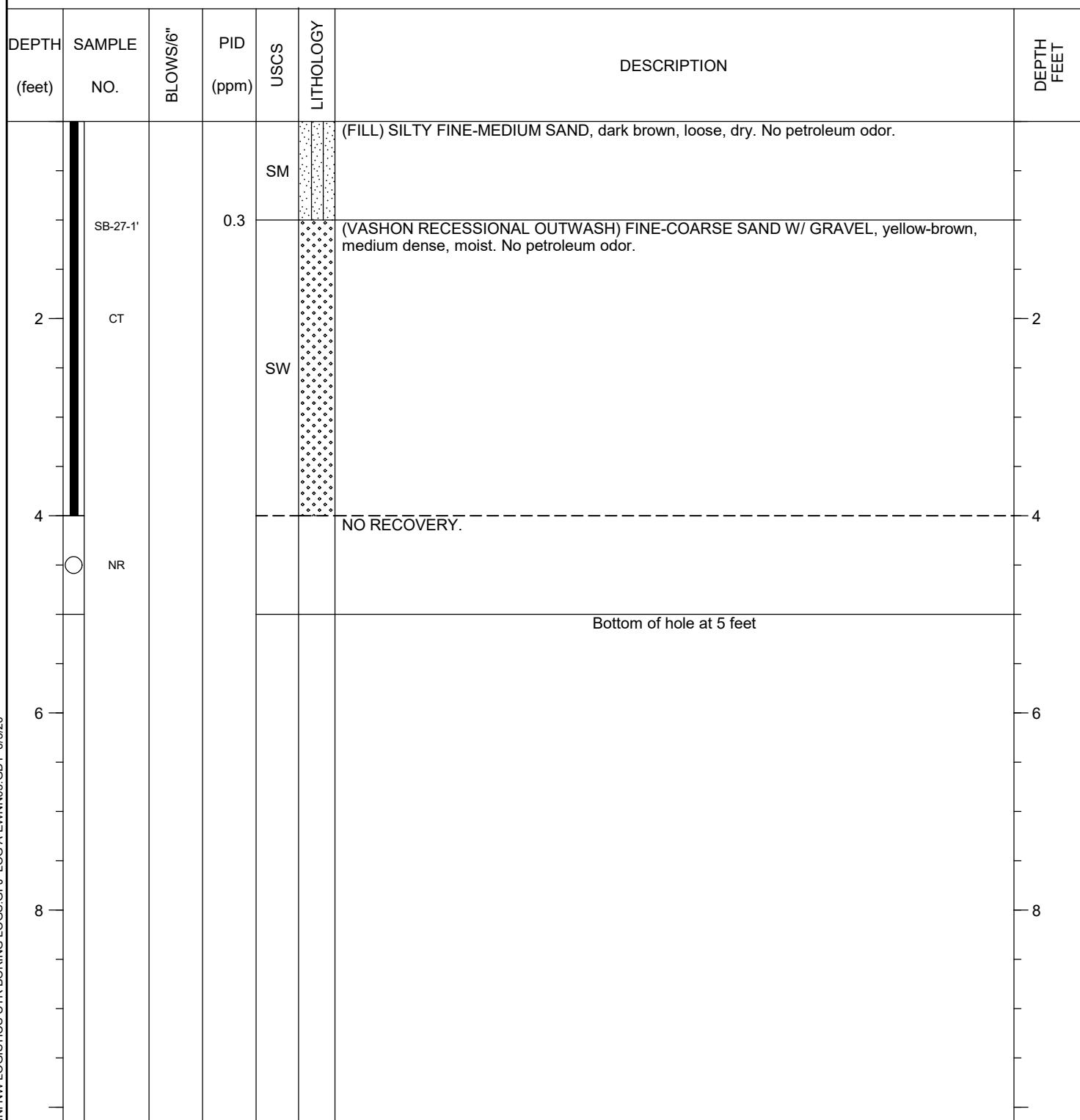
Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-28

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

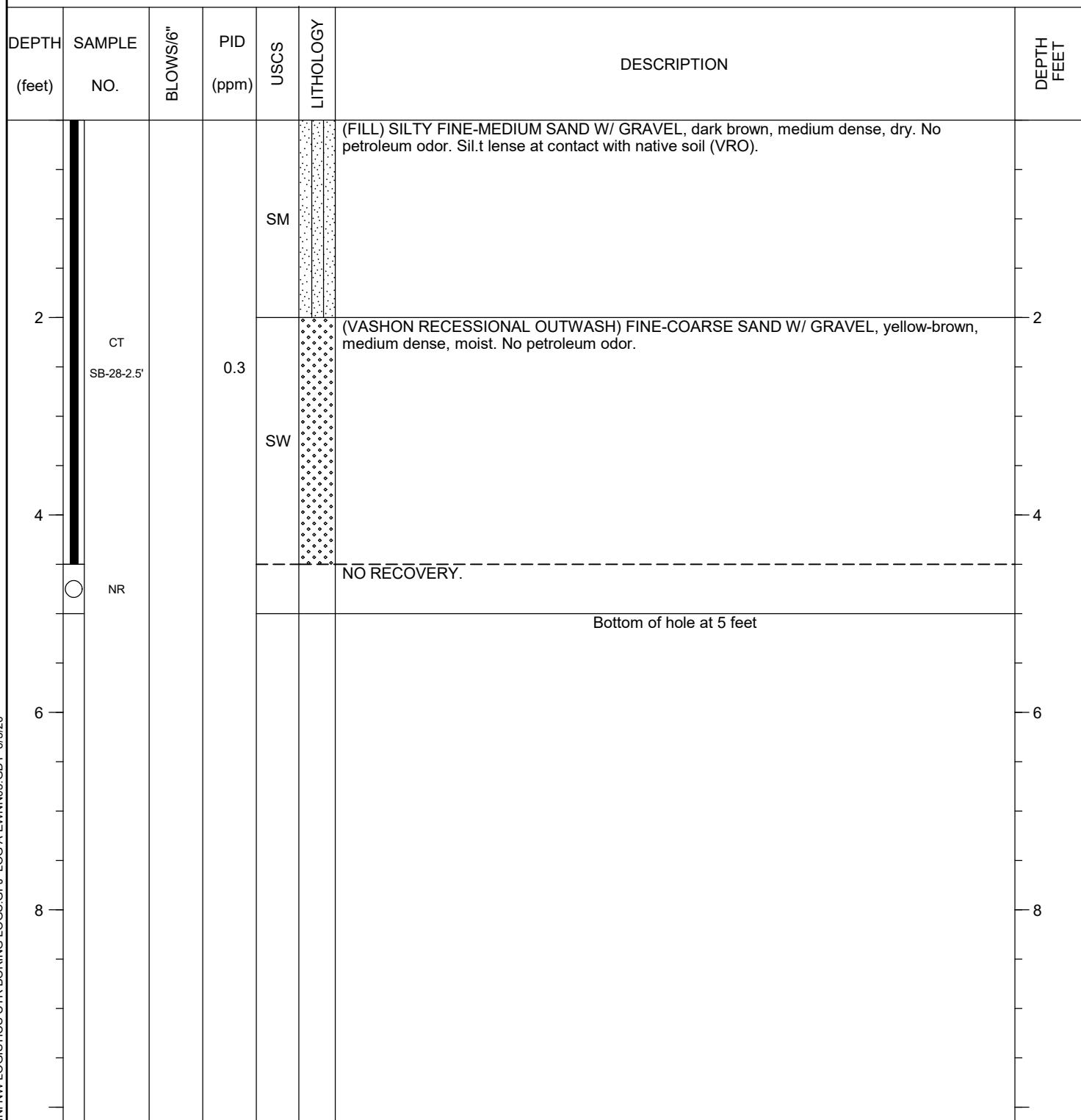
Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-29

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

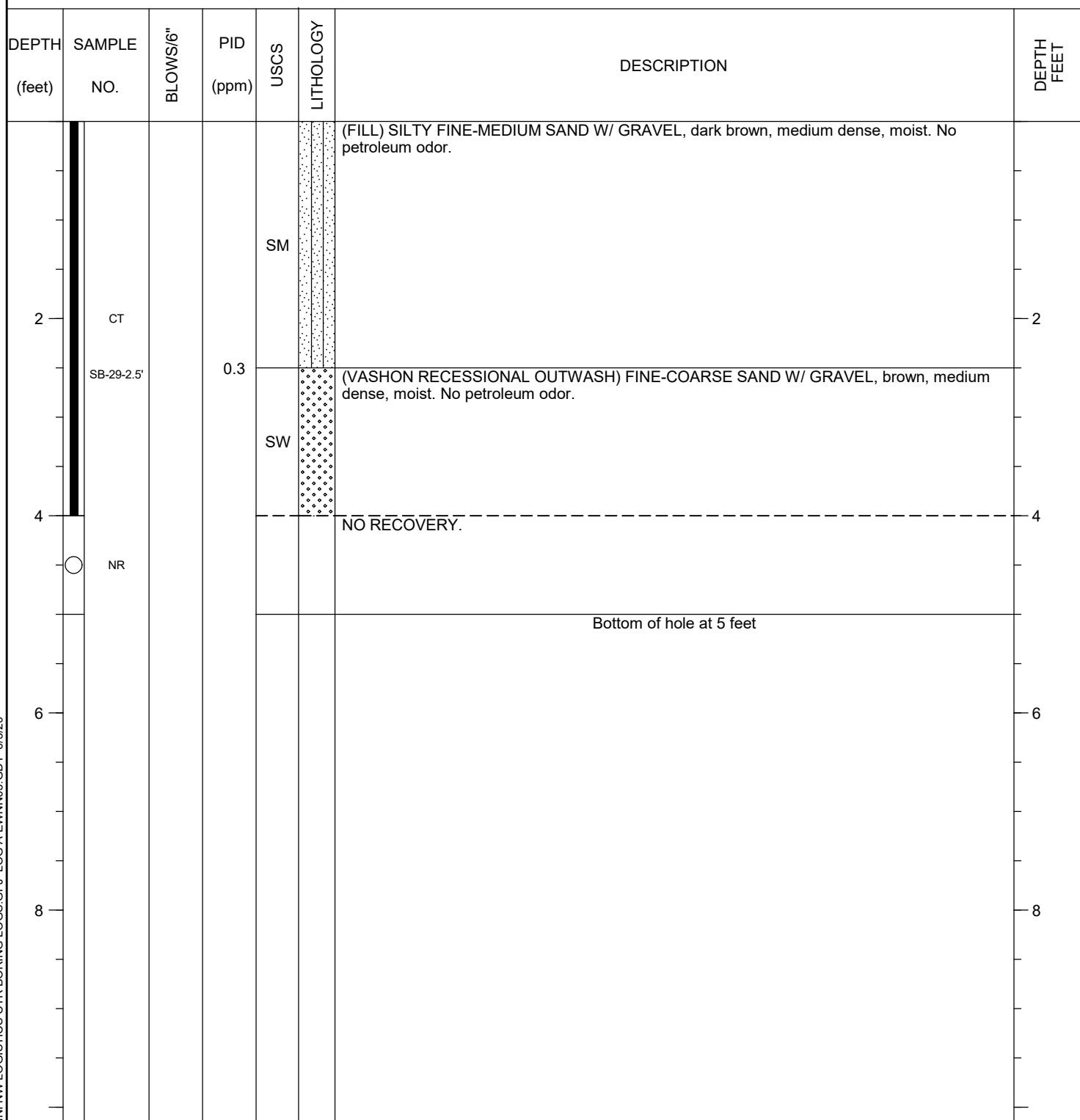
Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-30

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
						(FILL) SILTY FINE-MEDIUM SAND, dark brown, medium dense, moist. No petroleum odor.	
2	CT			SM			2
SB-30-2.5'		0.3		SW	(VASHON RECESSATIONAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, yellow-brown, medium dense, moist. No petroleum odor.		
					NO RECOVERY.		
4	NR					Bottom of hole at 5 feet	4
6							6
8							8



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-31

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
2	CT				SM	(FILL) SILTY FINE-MEDIUM SAND W/ GRAVEL, dark brown, medium dense, moist. No petroleum odor.	2
SB-31-3.5'	0.3				SW	(VASHON RECESSSIONAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, brown, medium dense, moist. No petroleum odor.	4
						Bottom of hole at 5 feet	
6							6
8							8



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-32

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
2	CT				SM	(FILL) SILTY FINE-MEDIUM SAND W/ GRAVEL, dark brown, medium dense, moist. No petroleum odor.	2
3.0	SB-32-3'				SW	(VASHON RECESSSIONAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, brown, medium dense, moist. No petroleum odor.	4
4	NR					NO RECOVERY.	4
						Bottom of hole at 5 feet	6
6							8
8							



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

LOG OF SB-33

SHEET 1 OF 1

Project Northwest Logistics Center Phase II

Location East of International Place North, DuPont, WA

Client Panattoni

Drill Method Direct-push

Elevation (ft amsl) --

Prj. No. NPPAN20023

Drilling Started 5/29/30 Ended 5/29/30

Total Depth (ft) 5

Logged By B. Goulet

Drill Contractor Cascade Drilling Inc.

Depth To Water (ft)

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	DEPTH FEET
2							2
CT							
SB-33-4'							
4		0.4		SM		(FILL) SILTY FINE-MEDIUM SAND W/ GRAVEL, dark brown, medium dense, moist. No petroleum odor.	4
				SW		(VASHON RECESSSIONAL OUTWASH) FINE-COARSE SAND W/ GRAVEL, brown, medium dense, moist. No petroleum odor.	
						Bottom of hole at 5 feet	
6							6
8							8



6347 Seaview Avenue NW
 Seattle, WA 98107
 Phone: 206-781-1449
 Fax: 206-781-1543

Remarks: Groundwater not encountered.

See key sheet for symbols and abbreviations used above.

APPENDIX B

Laboratory Analytical Reports and Chain of Custody Documentation



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

ATC Group Services, Inc.

Elisabeth Silver
6347 Seaview Ave NW
Seattle, WA 98107

RE: Panattoni, NW Logistics Ctr

Work Order Number: 2005395

June 18, 2020

Attention Elisabeth Silver:

Fremont Analytical, Inc. received 25 sample(s) on 5/28/2020 for the analyses presented in the following report.

Herbicides by EPA Method 8151A (Mod)

Hydrocarbon Identification by NWTPH-HCID

Mercury by EPA Method 7471

Organochlorine Pesticides by EPA Method 8081

Organophosphorus Pesticides by EPA Method 8270-SIM

Sample Moisture (Percent Moisture)

Semi-Volatile Organic Compounds by EPA Method 8270

Total Metals by EPA Method 6020B

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brianna Barnes".

Brianna Barnes
Project Manager

*DoD/ELAP Certification #L17-135, ISO/IEC 17025:2005
ORELAP Certification: WA 100009-007 (NELAP Recognized)*



Date: 06/18/2020

CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr
Work Order: 2005395

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2005395-001	SB-EP-5-1'	05/28/2020 10:05 AM	05/28/2020 5:51 PM
2005395-002	SB-EP-5-5'	05/28/2020 10:10 AM	05/28/2020 5:51 PM
2005395-003	SB-EP-5-5.5'	05/28/2020 10:15 AM	05/28/2020 5:51 PM
2005395-004	SB-EP-4-1'	05/28/2020 10:55 AM	05/28/2020 5:51 PM
2005395-005	SB-EP-4-2'	05/28/2020 11:05 AM	05/28/2020 5:51 PM
2005395-006	SB-EP-4-2.5'	05/28/2020 11:10 AM	05/28/2020 5:51 PM
2005395-007	SB-EP-1-2'	05/28/2020 11:50 AM	05/28/2020 5:51 PM
2005395-008	SB-EP-2-1'	05/28/2020 12:00 PM	05/28/2020 5:51 PM
2005395-009	SB-EP-2-3'	05/28/2020 12:05 PM	05/28/2020 5:51 PM
2005395-010	SB-EP-2-3.5'	05/28/2020 12:10 PM	05/28/2020 5:51 PM
2005395-011	SB-EP-1-6'	05/28/2020 1:05 PM	05/28/2020 5:51 PM
2005395-012	SB-EP-1-6.5'	05/28/2020 1:10 PM	05/28/2020 5:51 PM
2005395-013	SB-EP-3-0.5'	05/28/2020 1:30 PM	05/28/2020 5:51 PM
2005395-014	SB-EP-3-6'	05/28/2020 1:55 PM	05/28/2020 5:51 PM
2005395-015	SB-EP-3-6.5'	05/28/2020 1:40 PM	05/28/2020 5:51 PM
2005395-016	SB-6-1'	05/28/2020 2:30 PM	05/28/2020 5:51 PM
2005395-017	SB-7-1.5'	05/28/2020 2:40 PM	05/28/2020 5:51 PM
2005395-018	SB-8-0.5'	05/28/2020 3:00 PM	05/28/2020 5:51 PM
2005395-019	SB-8-3'	05/28/2020 3:10 PM	05/28/2020 5:51 PM
2005395-020	SB-9-1'	05/28/2020 3:15 PM	05/28/2020 5:51 PM
2005395-021	SB-10-1.5'	05/28/2020 3:25 PM	05/28/2020 5:51 PM
2005395-022	SB-11-2'	05/28/2020 3:40 PM	05/28/2020 5:51 PM
2005395-023	SB-12-2.5'	05/28/2020 3:55 PM	05/28/2020 5:51 PM
2005395-024	SB-13-1.5'	05/28/2020 4:10 PM	05/28/2020 5:51 PM
2005395-025	Trip Blank	05/16/2020 11:00 AM	05/28/2020 5:51 PM



Case Narrative

WO#: 2005395

Date: 6/18/2020

CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

6/18/2020: Revision 1 includes a sample ID change requested by client.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 10:05:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-001

Matrix: Soil

Client Sample ID: SB-EP-5-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organochlorine Pesticides by EPA Method 8081

				Batch ID:	28547	Analyst:	DW
Toxaphene	ND	0.106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
Alpha BHC	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
Beta BHC	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
Gamma BHC (Lindane)	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
Delta BHC	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
Heptachlor	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
Aldrin	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
Heptachlor epoxide	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
gamma-Chlordane	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
Endosulfan I	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
alpha-Chlordane	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
Dieldrin	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
4,4'-DDE	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
Endrin	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
Endosulfan II	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
4,4'-DDD	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
Endrin aldehyde	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
Endosulfan sulfate	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
4,4'-DDT	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
Endrin ketone	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
Methoxychlor	ND	0.0106		mg/Kg-dry	1	6/5/2020	1:26:42 PM
Surr: Decachlorobiphenyl	103	27 - 166		%Rec	1	6/5/2020	1:26:42 PM
Surr: Tetrachloro-m-xylene	91.4	28.1 - 171		%Rec	1	6/5/2020	1:26:42 PM

Hydrocarbon Identification by NWTPH-HCID

				Batch ID:	28524	Analyst:	DW
Gasoline	ND	22.2		mg/Kg-dry	1	6/3/2020	4:31:54 PM
Mineral Spirits	ND	33.4		mg/Kg-dry	1	6/3/2020	4:31:54 PM
Kerosene	ND	55.6		mg/Kg-dry	1	6/3/2020	4:31:54 PM
Diesel (Fuel Oil)	ND	55.6		mg/Kg-dry	1	6/3/2020	4:31:54 PM
Heavy Oil	ND	111		mg/Kg-dry	1	6/3/2020	4:31:54 PM
Mineral Oil	ND	111		mg/Kg-dry	1	6/3/2020	4:31:54 PM
Surr: 2-Fluorobiphenyl	73.0	50 - 150		%Rec	1	6/3/2020	4:31:54 PM
Surr: o-Terphenyl	86.7	50 - 150		%Rec	1	6/3/2020	4:31:54 PM

Herbicides by EPA Method 8151A (Mod)

				Batch ID:	28601	Analyst:	SB
Dicamba	ND	40.6		µg/Kg-dry	1	6/12/2020	3:41:57 PM
2,4-D	ND	34.8		µg/Kg-dry	1	6/12/2020	3:41:57 PM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 10:05:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-001

Matrix: Soil

Client Sample ID: SB-EP-5-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Herbicides by EPA Method 8151A (Mod) Batch ID: 28601 Analyst: SB

2,4-DP	ND	29.0		µg/Kg-dry	1	6/12/2020 3:41:57 PM
2,4,5-TP (Silvex)	ND	23.2		µg/Kg-dry	1	6/12/2020 3:41:57 PM
2,4,5-T	ND	58.0		µg/Kg-dry	1	6/12/2020 3:41:57 PM
Dinoseb	ND	34.8		µg/Kg-dry	1	6/12/2020 3:41:57 PM
Dalapon	ND	232		µg/Kg-dry	1	6/12/2020 3:41:57 PM
2,4-DB	ND	29.0		µg/Kg-dry	1	6/12/2020 3:41:57 PM
MCPP	ND	5,110		µg/Kg-dry	1	6/12/2020 3:41:57 PM
MCPA	ND	3,250		µg/Kg-dry	1	6/12/2020 3:41:57 PM
Picloram	ND	58.0	Q	µg/Kg-dry	1	6/12/2020 3:41:57 PM
Bentazon	ND	40.6		µg/Kg-dry	1	6/12/2020 3:41:57 PM
Chloramben	ND	23.2		µg/Kg-dry	1	6/12/2020 3:41:57 PM
Acifluorfen	ND	92.9		µg/Kg-dry	1	6/12/2020 3:41:57 PM
3,5-Dichlorobenzoic acid	ND	46.4		µg/Kg-dry	1	6/12/2020 3:41:57 PM
4-Nitrophenol	ND	34.8		µg/Kg-dry	1	6/12/2020 3:41:57 PM
Dacthal (DCPA)	ND	34.8		µg/Kg-dry	1	6/12/2020 3:41:57 PM
Surr: 2,4-Dichlorophenylacetic acid	61.5	15.3 - 163		%Rec	1	6/12/2020 3:41:57 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Organophosphorus Pesticides by EPA Method 8270-SIM Batch ID: 28540 Analyst: SB

DDVP	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Mevinphos	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
TEPP	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Demeton, Total	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Ethoprophos	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Naled	ND	54.6	Q	µg/Kg-dry	1	6/10/2020 12:19:51 AM
Sulfotepp	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Monocrotophos	ND	54.6	Q	µg/Kg-dry	1	6/10/2020 12:19:51 AM
Phorate	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Dimethoate	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Diazinon	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Disulfoton	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Parathion, methyl	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Fenchlorphos	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Malathion	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Dursban	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Fenthion	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Parathion	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 10:05:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-001

Matrix: Soil

Client Sample ID: SB-EP-5-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organophosphorus Pesticides by EPA Method 8270-SIM

Trichloronate	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Merphos	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Stirophos	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Prothiofos	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Fensulfothion	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Sulprofos	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
EPN	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Guthion	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Coumaphos	ND	54.6		µg/Kg-dry	1	6/10/2020 12:19:51 AM
Surr: Triphenylphosphate	69.4	10.7 - 154		%Rec	1	6/10/2020 12:19:51 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Semi-Volatile Organic Compounds by EPA Method 8270

Batch ID: 28538 Analyst: SB

Phenol	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Bis(2-chloroethyl) ether	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
2-Chlorophenol	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
1,3-Dichlorobenzene	ND	85.0		µg/Kg-dry	1	6/5/2020 5:58:05 AM
1,4-Dichlorobenzene	ND	85.0		µg/Kg-dry	1	6/5/2020 5:58:05 AM
1,2-Dichlorobenzene	ND	85.0		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Benzyl alcohol	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
2-Methylphenol (o-cresol)	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Hexachloroethane	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
N-Nitrosodi-n-propylamine	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
3&4-Methylphenol (m, p-cresol)	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Nitrobenzene	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Isophorone	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
2-Nitrophenol	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
2,4-Dimethylphenol	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Bis(2-chloroethoxy)methane	ND	85.0		µg/Kg-dry	1	6/5/2020 5:58:05 AM
2,4-Dichlorophenol	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
1,2,4-Trichlorobenzene	ND	85.0		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Naphthalene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
4-Chloroaniline	ND	85.0		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Hexachlorobutadiene	ND	85.0		µg/Kg-dry	1	6/5/2020 5:58:05 AM
4-Chloro-3-methylphenol	ND	227		µg/Kg-dry	1	6/5/2020 5:58:05 AM
2-Methylnaphthalene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
1-Methylnaphthalene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 10:05:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-001

Matrix: Soil

Client Sample ID: SB-EP-5-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Semi-Volatile Organic Compounds by EPA Method 8270						
				Batch ID: 28538		Analyst: SB
Hexachlorocyclopentadiene	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
2,4,6-Trichlorophenol	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
2,4,5-Trichlorophenol	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
2-Chloronaphthalene	ND	85.0		µg/Kg-dry	1	6/5/2020 5:58:05 AM
2-Nitroaniline	ND	113	Q	µg/Kg-dry	1	6/5/2020 5:58:05 AM
Acenaphthene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Dimethylphthalate	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
2,6-Dinitrotoluene	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Acenaphthylene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
2,4-Dinitrophenol	ND	595		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Dibenzofuran	ND	85.0		µg/Kg-dry	1	6/5/2020 5:58:05 AM
2,4-Dinitrotoluene	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
4-Nitrophenol	ND	567		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Fluorene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
4-Chlorophenyl phenyl ether	ND	85.0		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Diethylphthalate	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
4,6-Dinitro-2-methylphenol	ND	227		µg/Kg-dry	1	6/5/2020 5:58:05 AM
4-Bromophenyl phenyl ether	ND	85.0		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Hexachlorobenzene	ND	85.0		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Pentachlorophenol	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Phenanthrene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Anthracene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Carbazole	ND	85.0		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Di-n-butylphthalate	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Fluoranthene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Pyrene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Butyl Benzylphthalate	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
bis(2-Ethylhexyl)adipate	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Benz(a)anthracene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Chrysene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
bis (2-Ethylhexyl) phthalate	ND	113		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Di-n-octyl phthalate	ND	113	Q	µg/Kg-dry	1	6/5/2020 5:58:05 AM
Benzo(b)fluoranthene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Benzo(k)fluoranthene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Benzo(a)pyrene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Indeno(1,2,3-cd)pyrene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Dibenz(a,h)anthracene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Benzo(g,h,i)perylene	ND	56.7		µg/Kg-dry	1	6/5/2020 5:58:05 AM
Surr: 2,4,6-Tribromophenol	43.8	5 - 139		%Rec	1	6/5/2020 5:58:05 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 10:05:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-001

Matrix: Soil

Client Sample ID: SB-EP-5-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID:	28538	Analyst: SB
Surr: 2-Fluorobiphenyl	47.3	5 - 131	%Rec	1	6/5/2020 5:58:05 AM	
Surr: Nitrobenzene-d5	44.6	5 - 123	%Rec	1	6/5/2020 5:58:05 AM	
Surr: Phenol-d6	49.0	5 - 129	%Rec	1	6/5/2020 5:58:05 AM	
Surr: p-Terphenyl	45.1	13.8 - 140	%Rec	1	6/5/2020 5:58:05 AM	

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Volatile Organic Compounds by EPA Method 8260D				Batch ID:	28529	Analyst: KT
---	--	--	--	-----------	-------	-------------

Dichlorodifluoromethane (CFC-12)	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
Chloromethane	ND	0.0594	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
Vinyl chloride	ND	0.0297	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
Bromomethane	ND	0.0594	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
Trichlorofluoromethane (CFC-11)	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
Chloroethane	ND	0.0594	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
1,1-Dichloroethene	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
Methylene chloride	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
trans-1,2-Dichloroethene	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
Methyl tert-butyl ether (MTBE)	ND	0.0594	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
1,1-Dichloroethane	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
cis-1,2-Dichloroethene	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
Chloroform	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
1,1,1-Trichloroethane (TCA)	ND	0.0297	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
1,1-Dichloropropene	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
Carbon tetrachloride	ND	0.0594	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
1,2-Dichloroethane (EDC)	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
Benzene	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
Trichloroethene (TCE)	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
1,2-Dichloropropane	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
Bromodichloromethane	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
Dibromomethane	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
cis-1,3-Dichloropropene	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
Toluene	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
trans-1,3-Dichloropropylene	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
1,1,2-Trichloroethane	ND	0.0237	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
1,3-Dichloropropane	ND	0.0297	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
Tetrachloroethene (PCE)	ND	0.0297	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
Dibromochloromethane	ND	0.0297	mg/Kg-dry	1	6/3/2020 8:58:16 PM	
1,2-Dibromoethane (EDB)	ND	0.00594	mg/Kg-dry	1	6/3/2020 8:58:16 PM	



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 10:05:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-001

Matrix: Soil

Client Sample ID: SB-EP-5-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D						
				Batch ID: 28529		Analyst: KT
Chlorobenzene	ND	0.0297		mg/Kg-dry	1	6/3/2020 8:58:16 PM
1,1,1,2-Tetrachloroethane	ND	0.0297		mg/Kg-dry	1	6/3/2020 8:58:16 PM
Ethylbenzene	ND	0.0297		mg/Kg-dry	1	6/3/2020 8:58:16 PM
m,p-Xylene	ND	0.0594		mg/Kg-dry	1	6/3/2020 8:58:16 PM
o-Xylene	ND	0.0297		mg/Kg-dry	1	6/3/2020 8:58:16 PM
Styrene	ND	0.0297		mg/Kg-dry	1	6/3/2020 8:58:16 PM
Isopropylbenzene	ND	0.0297		mg/Kg-dry	1	6/3/2020 8:58:16 PM
Bromoform	ND	0.0594		mg/Kg-dry	1	6/3/2020 8:58:16 PM
1,1,2,2-Tetrachloroethane	ND	0.0237		mg/Kg-dry	1	6/3/2020 8:58:16 PM
n-Propylbenzene	ND	0.0297		mg/Kg-dry	1	6/3/2020 8:58:16 PM
Bromobenzene	ND	0.0237		mg/Kg-dry	1	6/3/2020 8:58:16 PM
1,3,5-Trimethylbenzene	ND	0.0297		mg/Kg-dry	1	6/3/2020 8:58:16 PM
2-Chlorotoluene	ND	0.0297		mg/Kg-dry	1	6/3/2020 8:58:16 PM
4-Chlorotoluene	ND	0.0297		mg/Kg-dry	1	6/3/2020 8:58:16 PM
tert-Butylbenzene	ND	0.0297		mg/Kg-dry	1	6/3/2020 8:58:16 PM
1,2,3-Trichloropropane	ND	0.0297		mg/Kg-dry	1	6/3/2020 8:58:16 PM
1,2,4-Trichlorobenzene	ND	0.0297		mg/Kg-dry	1	6/3/2020 8:58:16 PM
sec-Butylbenzene	ND	0.0594		mg/Kg-dry	1	6/3/2020 8:58:16 PM
4-Isopropyltoluene	ND	0.0594		mg/Kg-dry	1	6/3/2020 8:58:16 PM
1,3-Dichlorobenzene	ND	0.0237	*	mg/Kg-dry	1	6/3/2020 8:58:16 PM
1,4-Dichlorobenzene	ND	0.0237	*	mg/Kg-dry	1	6/3/2020 8:58:16 PM
n-Butylbenzene	ND	0.0297		mg/Kg-dry	1	6/3/2020 8:58:16 PM
1,2-Dichlorobenzene	ND	0.0237	*	mg/Kg-dry	1	6/3/2020 8:58:16 PM
1,2-Dibromo-3-chloropropane	ND	0.594		mg/Kg-dry	1	6/3/2020 8:58:16 PM
1,2,4-Trimethylbenzene	ND	0.0237		mg/Kg-dry	1	6/3/2020 8:58:16 PM
Hexachloro-1,3-butadiene	ND	0.0594		mg/Kg-dry	1	6/3/2020 8:58:16 PM
Naphthalene	ND	0.0594		mg/Kg-dry	1	6/3/2020 8:58:16 PM
1,2,3-Trichlorobenzene	ND	0.0237		mg/Kg-dry	1	6/3/2020 8:58:16 PM
Surr: Dibromofluoromethane	96.8	83.3 - 111		%Rec	1	6/3/2020 8:58:16 PM
Surr: Toluene-d8	92.8	87.9 - 111		%Rec	1	6/3/2020 8:58:16 PM
Surr: 1-Bromo-4-fluorobenzene	97.5	85.1 - 111		%Rec	1	6/3/2020 8:58:16 PM

NOTES:

* - Flagged value is not within established control limits.

Mercury by EPA Method 7471

Batch ID: 28516 Analyst: WF

Mercury	ND	0.288	mg/Kg-dry	1	6/3/2020 1:19:11 PM
---------	----	-------	-----------	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 10:05:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-001

Matrix: Soil

Client Sample ID: SB-EP-5-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B				Batch ID:	28534	Analyst: CO
Arsenic	4.51	0.224		mg/Kg-dry	1	6/3/2020 4:36:34 PM
Barium	72.6	0.448		mg/Kg-dry	1	6/3/2020 4:36:34 PM
Cadmium	ND	0.179		mg/Kg-dry	1	6/3/2020 4:36:34 PM
Chromium	20.0	0.0897		mg/Kg-dry	1	6/3/2020 4:36:34 PM
Lead	3.77	0.179		mg/Kg-dry	1	6/3/2020 4:36:34 PM
Selenium	1.02	0.448		mg/Kg-dry	1	6/3/2020 4:36:34 PM
Silver	ND	0.0897		mg/Kg-dry	1	6/3/2020 4:36:34 PM

Sample Moisture (Percent Moisture) Batch ID: R59547 Analyst: CJ

Percent Moisture	14.9	wt%	1	6/3/2020 12:09:22 PM
------------------	------	-----	---	----------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 10:10:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-002

Matrix: Soil

Client Sample ID: SB-EP-5-5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28534 Analyst: CO

Arsenic	3.49	0.203	mg/Kg-dry	1	6/3/2020 4:42:08 PM
Lead	2.39	0.162	mg/Kg-dry	1	6/3/2020 4:42:08 PM

Sample Moisture (Percent Moisture) Batch ID: R59547 Analyst: CJ

Percent Moisture	2.09	0.500	wt%	1	6/3/2020 12:09:22 PM
------------------	------	-------	-----	---	----------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 10:15:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-003

Matrix: Soil

Client Sample ID: SB-EP-5-5.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28534 Analyst: CO

Arsenic	3.15	0.211	mg/Kg-dry	1	6/3/2020 4:47:42 PM
Lead	2.11	0.169	mg/Kg-dry	1	6/3/2020 4:47:42 PM

Sample Moisture (Percent Moisture) Batch ID: R59547 Analyst: CJ

Percent Moisture	5.92	0.500	wt%	1	6/3/2020 12:09:22 PM
------------------	------	-------	-----	---	----------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 10:55:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-004

Matrix: Soil

Client Sample ID: SB-EP-4-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organochlorine Pesticides by EPA Method 8081

				Batch ID:	28547	Analyst:	DW
Toxaphene	ND	0.103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
Alpha BHC	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
Beta BHC	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
Gamma BHC (Lindane)	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
Delta BHC	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
Heptachlor	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
Aldrin	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
Heptachlor epoxide	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
gamma-Chlordane	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
Endosulfan I	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
alpha-Chlordane	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
Dieldrin	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
4,4'-DDE	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
Endrin	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
Endosulfan II	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
4,4'-DDD	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
Endrin aldehyde	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
Endosulfan sulfate	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
4,4'-DDT	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
Endrin ketone	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
Methoxychlor	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:36:19 PM
Surr: Decachlorobiphenyl	84.1	27 - 166		%Rec	1	6/5/2020	1:36:19 PM
Surr: Tetrachloro-m-xylene	74.7	28.1 - 171		%Rec	1	6/5/2020	1:36:19 PM

Hydrocarbon Identification by NWTPH-HCID

				Batch ID:	28524	Analyst:	DW
Gasoline	ND	19.2		mg/Kg-dry	1	6/3/2020	5:01:47 PM
Mineral Spirits	ND	28.8		mg/Kg-dry	1	6/3/2020	5:01:47 PM
Kerosene	ND	48.1		mg/Kg-dry	1	6/3/2020	5:01:47 PM
Diesel (Fuel Oil)	ND	48.1		mg/Kg-dry	1	6/3/2020	5:01:47 PM
Heavy Oil	ND	96.1		mg/Kg-dry	1	6/3/2020	5:01:47 PM
Mineral Oil	ND	96.1		mg/Kg-dry	1	6/3/2020	5:01:47 PM
Surr: 2-Fluorobiphenyl	74.2	50 - 150		%Rec	1	6/3/2020	5:01:47 PM
Surr: o-Terphenyl	86.8	50 - 150		%Rec	1	6/3/2020	5:01:47 PM

Herbicides by EPA Method 8151A (Mod)

				Batch ID:	28601	Analyst:	SB
Dicamba	ND	37.0		µg/Kg-dry	1	6/12/2020	4:02:20 PM
2,4-D	ND	31.7		µg/Kg-dry	1	6/12/2020	4:02:20 PM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 10:55:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-004

Matrix: Soil

Client Sample ID: SB-EP-4-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Herbicides by EPA Method 8151A (Mod) Batch ID: 28601 Analyst: SB

2,4-DP	ND	26.5		µg/Kg-dry	1	6/12/2020 4:02:20 PM
2,4,5-TP (Silvex)	ND	21.2		µg/Kg-dry	1	6/12/2020 4:02:20 PM
2,4,5-T	ND	52.9		µg/Kg-dry	1	6/12/2020 4:02:20 PM
Dinoseb	ND	31.7		µg/Kg-dry	1	6/12/2020 4:02:20 PM
Dalapon	ND	212		µg/Kg-dry	1	6/12/2020 4:02:20 PM
2,4-DB	ND	26.5		µg/Kg-dry	1	6/12/2020 4:02:20 PM
MCPP	ND	4,660		µg/Kg-dry	1	6/12/2020 4:02:20 PM
MCPA	ND	2,960		µg/Kg-dry	1	6/12/2020 4:02:20 PM
Picloram	ND	52.9	Q	µg/Kg-dry	1	6/12/2020 4:02:20 PM
Bentazon	ND	37.0		µg/Kg-dry	1	6/12/2020 4:02:20 PM
Chloramben	ND	21.2		µg/Kg-dry	1	6/12/2020 4:02:20 PM
Acifluorfen	ND	84.6		µg/Kg-dry	1	6/12/2020 4:02:20 PM
3,5-Dichlorobenzoic acid	ND	42.3		µg/Kg-dry	1	6/12/2020 4:02:20 PM
4-Nitrophenol	ND	31.7		µg/Kg-dry	1	6/12/2020 4:02:20 PM
Dacthal (DCPA)	ND	31.7		µg/Kg-dry	1	6/12/2020 4:02:20 PM
Surr: 2,4-Dichlorophenylacetic acid	67.4	15.3 - 163		%Rec	1	6/12/2020 4:02:20 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Organophosphorus Pesticides by EPA Method 8270-SIM Batch ID: 28540 Analyst: SB

DDVP	ND	55.7		µg/Kg-dry	1	6/10/2020 1:49:41 AM
Mevinphos	ND	55.7		µg/Kg-dry	1	6/10/2020 1:49:41 AM
TEPP	ND	55.7		µg/Kg-dry	1	6/10/2020 1:49:41 AM
Demeton, Total	ND	55.7		µg/Kg-dry	1	6/10/2020 1:49:41 AM
Ethoprophos	ND	55.7		µg/Kg-dry	1	6/10/2020 1:49:41 AM
Naled	ND	55.7	Q	µg/Kg-dry	1	6/10/2020 1:49:41 AM
Sulfotepp	ND	55.7		µg/Kg-dry	1	6/10/2020 1:49:41 AM
Monocrotophos	ND	55.7	Q	µg/Kg-dry	1	6/10/2020 1:49:41 AM
Phorate	ND	55.7		µg/Kg-dry	1	6/10/2020 1:49:41 AM
Dimethoate	ND	55.7		µg/Kg-dry	1	6/10/2020 1:49:41 AM
Diazinon	ND	55.7		µg/Kg-dry	1	6/10/2020 1:49:41 AM
Disulfoton	ND	55.7		µg/Kg-dry	1	6/10/2020 1:49:41 AM
Parathion, methyl	ND	55.7		µg/Kg-dry	1	6/10/2020 1:49:41 AM
Fenchlorphos	ND	55.7		µg/Kg-dry	1	6/10/2020 1:49:41 AM
Malathion	ND	55.7		µg/Kg-dry	1	6/10/2020 1:49:41 AM
Dursban	ND	55.7		µg/Kg-dry	1	6/10/2020 1:49:41 AM
Fenthion	ND	55.7		µg/Kg-dry	1	6/10/2020 1:49:41 AM
Parathion	ND	55.7		µg/Kg-dry	1	6/10/2020 1:49:41 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 10:55:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-004

Matrix: Soil

Client Sample ID: SB-EP-4-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organophosphorus Pesticides by EPA Method 8270-SIM

Trichloronate	ND	55.7	µg/Kg-dry	1	6/10/2020 1:49:41 AM
Merphos	ND	55.7	µg/Kg-dry	1	6/10/2020 1:49:41 AM
Stirophos	ND	55.7	µg/Kg-dry	1	6/10/2020 1:49:41 AM
Prothiofos	ND	55.7	µg/Kg-dry	1	6/10/2020 1:49:41 AM
Fensulfothion	ND	55.7	µg/Kg-dry	1	6/10/2020 1:49:41 AM
Sulprofos	ND	55.7	µg/Kg-dry	1	6/10/2020 1:49:41 AM
EPN	ND	55.7	µg/Kg-dry	1	6/10/2020 1:49:41 AM
Guthion	ND	55.7	µg/Kg-dry	1	6/10/2020 1:49:41 AM
Coumaphos	ND	55.7	µg/Kg-dry	1	6/10/2020 1:49:41 AM
Surr: Triphenylphosphate	89.5	10.7 - 154	%Rec	1	6/10/2020 1:49:41 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Semi-Volatile Organic Compounds by EPA Method 8270

Batch ID: 28538 Analyst: SB

Phenol	ND	97.7	µg/Kg-dry	1	6/5/2020 6:20:22 AM
Bis(2-chloroethyl) ether	ND	97.7	µg/Kg-dry	1	6/5/2020 6:20:22 AM
2-Chlorophenol	ND	97.7	µg/Kg-dry	1	6/5/2020 6:20:22 AM
1,3-Dichlorobenzene	ND	73.3	µg/Kg-dry	1	6/5/2020 6:20:22 AM
1,4-Dichlorobenzene	ND	73.3	µg/Kg-dry	1	6/5/2020 6:20:22 AM
1,2-Dichlorobenzene	ND	73.3	µg/Kg-dry	1	6/5/2020 6:20:22 AM
Benzyl alcohol	ND	97.7	µg/Kg-dry	1	6/5/2020 6:20:22 AM
2-Methylphenol (o-cresol)	ND	97.7	µg/Kg-dry	1	6/5/2020 6:20:22 AM
Hexachloroethane	ND	97.7	µg/Kg-dry	1	6/5/2020 6:20:22 AM
N-Nitrosodi-n-propylamine	ND	97.7	µg/Kg-dry	1	6/5/2020 6:20:22 AM
3&4-Methylphenol (m, p-cresol)	ND	97.7	µg/Kg-dry	1	6/5/2020 6:20:22 AM
Nitrobenzene	ND	97.7	µg/Kg-dry	1	6/5/2020 6:20:22 AM
Isophorone	ND	97.7	µg/Kg-dry	1	6/5/2020 6:20:22 AM
2-Nitrophenol	ND	97.7	µg/Kg-dry	1	6/5/2020 6:20:22 AM
2,4-Dimethylphenol	ND	97.7	µg/Kg-dry	1	6/5/2020 6:20:22 AM
Bis(2-chloroethoxy)methane	ND	73.3	µg/Kg-dry	1	6/5/2020 6:20:22 AM
2,4-Dichlorophenol	ND	97.7	µg/Kg-dry	1	6/5/2020 6:20:22 AM
1,2,4-Trichlorobenzene	ND	73.3	µg/Kg-dry	1	6/5/2020 6:20:22 AM
Naphthalene	ND	48.9	µg/Kg-dry	1	6/5/2020 6:20:22 AM
4-Chloroaniline	ND	73.3	µg/Kg-dry	1	6/5/2020 6:20:22 AM
Hexachlorobutadiene	ND	73.3	µg/Kg-dry	1	6/5/2020 6:20:22 AM
4-Chloro-3-methylphenol	ND	195	µg/Kg-dry	1	6/5/2020 6:20:22 AM
2-Methylnaphthalene	ND	48.9	µg/Kg-dry	1	6/5/2020 6:20:22 AM
1-Methylnaphthalene	ND	48.9	µg/Kg-dry	1	6/5/2020 6:20:22 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 10:55:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-004

Matrix: Soil

Client Sample ID: SB-EP-4-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Semi-Volatile Organic Compounds by EPA Method 8270						
					Batch ID: 28538	Analyst: SB
Hexachlorocyclopentadiene	ND	97.7		µg/Kg-dry	1	6/5/2020 6:20:22 AM
2,4,6-Trichlorophenol	ND	97.7		µg/Kg-dry	1	6/5/2020 6:20:22 AM
2,4,5-Trichlorophenol	ND	97.7		µg/Kg-dry	1	6/5/2020 6:20:22 AM
2-Chloronaphthalene	ND	73.3		µg/Kg-dry	1	6/5/2020 6:20:22 AM
2-Nitroaniline	ND	97.7	Q	µg/Kg-dry	1	6/5/2020 6:20:22 AM
Acenaphthene	ND	48.9		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Dimethylphthalate	ND	97.7		µg/Kg-dry	1	6/5/2020 6:20:22 AM
2,6-Dinitrotoluene	ND	97.7		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Acenaphthylene	ND	48.9		µg/Kg-dry	1	6/5/2020 6:20:22 AM
2,4-Dinitrophenol	ND	513		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Dibenzofuran	ND	73.3		µg/Kg-dry	1	6/5/2020 6:20:22 AM
2,4-Dinitrotoluene	ND	97.7		µg/Kg-dry	1	6/5/2020 6:20:22 AM
4-Nitrophenol	ND	489		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Fluorene	ND	48.9		µg/Kg-dry	1	6/5/2020 6:20:22 AM
4-Chlorophenyl phenyl ether	ND	73.3		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Diethylphthalate	ND	97.7		µg/Kg-dry	1	6/5/2020 6:20:22 AM
4,6-Dinitro-2-methylphenol	ND	195		µg/Kg-dry	1	6/5/2020 6:20:22 AM
4-Bromophenyl phenyl ether	ND	73.3		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Hexachlorobenzene	ND	73.3		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Pentachlorophenol	ND	97.7		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Phenanthrene	ND	48.9		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Anthracene	ND	48.9		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Carbazole	ND	73.3		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Di-n-butylphthalate	ND	97.7		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Fluoranthene	ND	48.9		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Pyrene	ND	48.9		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Butyl Benzylphthalate	ND	97.7		µg/Kg-dry	1	6/5/2020 6:20:22 AM
bis(2-Ethylhexyl)adipate	ND	97.7		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Benz(a)anthracene	ND	48.9		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Chrysene	ND	48.9		µg/Kg-dry	1	6/5/2020 6:20:22 AM
bis (2-Ethylhexyl) phthalate	ND	97.7		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Di-n-octyl phthalate	ND	97.7	Q	µg/Kg-dry	1	6/5/2020 6:20:22 AM
Benzo(b)fluoranthene	ND	48.9		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Benzo(k)fluoranthene	ND	48.9		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Benzo(a)pyrene	ND	48.9		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Indeno(1,2,3-cd)pyrene	ND	48.9		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Dibenz(a,h)anthracene	ND	48.9		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Benzo(g,h,i)perylene	ND	48.9		µg/Kg-dry	1	6/5/2020 6:20:22 AM
Surr: 2,4,6-Tribromophenol	56.2	5 - 139		%Rec	1	6/5/2020 6:20:22 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 10:55:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-004

Matrix: Soil

Client Sample ID: SB-EP-4-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID:	28538	Analyst: SB
Surr: 2-Fluorobiphenyl	57.6	5 - 131	%Rec	1	6/5/2020 6:20:22 AM	
Surr: Nitrobenzene-d5	55.3	5 - 123	%Rec	1	6/5/2020 6:20:22 AM	
Surr: Phenol-d6	59.0	5 - 129	%Rec	1	6/5/2020 6:20:22 AM	
Surr: p-Terphenyl	59.6	13.8 - 140	%Rec	1	6/5/2020 6:20:22 AM	

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Volatile Organic Compounds by EPA Method 8260D				Batch ID:	28529	Analyst: KT
---	--	--	--	-----------	-------	-------------

Dichlorodifluoromethane (CFC-12)	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
Chloromethane	ND	0.0631	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
Vinyl chloride	ND	0.0316	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
Bromomethane	ND	0.0631	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
Trichlorofluoromethane (CFC-11)	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
Chloroethane	ND	0.0631	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
1,1-Dichloroethene	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
Methylene chloride	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
trans-1,2-Dichloroethene	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
Methyl tert-butyl ether (MTBE)	ND	0.0631	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
1,1-Dichloroethane	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
cis-1,2-Dichloroethene	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
Chloroform	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
1,1,1-Trichloroethane (TCA)	ND	0.0316	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
1,1-Dichloropropene	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
Carbon tetrachloride	ND	0.0631	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
1,2-Dichloroethane (EDC)	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
Benzene	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
Trichloroethene (TCE)	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
1,2-Dichloropropane	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
Bromodichloromethane	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
Dibromomethane	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
cis-1,3-Dichloropropene	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
Toluene	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
trans-1,3-Dichloropropylene	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
1,1,2-Trichloroethane	ND	0.0252	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
1,3-Dichloropropane	ND	0.0316	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
Tetrachloroethene (PCE)	ND	0.0316	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
Dibromochloromethane	ND	0.0316	mg/Kg-dry	1	6/3/2020 9:58:32 PM	
1,2-Dibromoethane (EDB)	ND	0.00631	mg/Kg-dry	1	6/3/2020 9:58:32 PM	



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 10:55:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-004

Matrix: Soil

Client Sample ID: SB-EP-4-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 28529 Analyst: KT

Chlorobenzene	ND	0.0316		mg/Kg-dry	1	6/3/2020 9:58:32 PM
1,1,1,2-Tetrachloroethane	ND	0.0316		mg/Kg-dry	1	6/3/2020 9:58:32 PM
Ethylbenzene	ND	0.0316		mg/Kg-dry	1	6/3/2020 9:58:32 PM
m,p-Xylene	ND	0.0631		mg/Kg-dry	1	6/3/2020 9:58:32 PM
o-Xylene	ND	0.0316		mg/Kg-dry	1	6/3/2020 9:58:32 PM
Styrene	ND	0.0316		mg/Kg-dry	1	6/3/2020 9:58:32 PM
Isopropylbenzene	ND	0.0316		mg/Kg-dry	1	6/3/2020 9:58:32 PM
Bromoform	ND	0.0631		mg/Kg-dry	1	6/3/2020 9:58:32 PM
1,1,2,2-Tetrachloroethane	ND	0.0252		mg/Kg-dry	1	6/3/2020 9:58:32 PM
n-Propylbenzene	ND	0.0316		mg/Kg-dry	1	6/3/2020 9:58:32 PM
Bromobenzene	ND	0.0252		mg/Kg-dry	1	6/3/2020 9:58:32 PM
1,3,5-Trimethylbenzene	ND	0.0316		mg/Kg-dry	1	6/3/2020 9:58:32 PM
2-Chlorotoluene	ND	0.0316		mg/Kg-dry	1	6/3/2020 9:58:32 PM
4-Chlorotoluene	ND	0.0316		mg/Kg-dry	1	6/3/2020 9:58:32 PM
tert-Butylbenzene	ND	0.0316		mg/Kg-dry	1	6/3/2020 9:58:32 PM
1,2,3-Trichloropropane	ND	0.0316		mg/Kg-dry	1	6/3/2020 9:58:32 PM
1,2,4-Trichlorobenzene	ND	0.0316		mg/Kg-dry	1	6/3/2020 9:58:32 PM
sec-Butylbenzene	ND	0.0631		mg/Kg-dry	1	6/3/2020 9:58:32 PM
4-Isopropyltoluene	ND	0.0631		mg/Kg-dry	1	6/3/2020 9:58:32 PM
1,3-Dichlorobenzene	ND	0.0252	*	mg/Kg-dry	1	6/3/2020 9:58:32 PM
1,4-Dichlorobenzene	ND	0.0252	*	mg/Kg-dry	1	6/3/2020 9:58:32 PM
n-Butylbenzene	ND	0.0316		mg/Kg-dry	1	6/3/2020 9:58:32 PM
1,2-Dichlorobenzene	ND	0.0252	*	mg/Kg-dry	1	6/3/2020 9:58:32 PM
1,2-Dibromo-3-chloropropane	ND	0.631		mg/Kg-dry	1	6/3/2020 9:58:32 PM
1,2,4-Trimethylbenzene	ND	0.0252		mg/Kg-dry	1	6/3/2020 9:58:32 PM
Hexachloro-1,3-butadiene	ND	0.0631		mg/Kg-dry	1	6/3/2020 9:58:32 PM
Naphthalene	ND	0.0631		mg/Kg-dry	1	6/3/2020 9:58:32 PM
1,2,3-Trichlorobenzene	ND	0.0252		mg/Kg-dry	1	6/3/2020 9:58:32 PM
Surr: Dibromofluoromethane	97.3	83.3 - 111		%Rec	1	6/3/2020 9:58:32 PM
Surr: Toluene-d8	92.1	87.9 - 111		%Rec	1	6/3/2020 9:58:32 PM
Surr: 1-Bromo-4-fluorobenzene	97.7	85.1 - 111		%Rec	1	6/3/2020 9:58:32 PM

NOTES:

* - Flagged value is not within established control limits.

Mercury by EPA Method 7471

Batch ID: 28516 Analyst: WF

Mercury	ND	0.242	mg/Kg-dry	1	6/3/2020 1:20:49 PM
---------	----	-------	-----------	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 10:55:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-004

Matrix: Soil

Client Sample ID: SB-EP-4-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B				Batch ID:	28534	Analyst: CO
Arsenic	4.12	0.221		mg/Kg-dry	1	6/3/2020 4:53:16 PM
Barium	80.1	0.442		mg/Kg-dry	1	6/3/2020 4:53:16 PM
Cadmium	ND	0.177		mg/Kg-dry	1	6/3/2020 4:53:16 PM
Chromium	19.9	0.0885		mg/Kg-dry	1	6/3/2020 4:53:16 PM
Lead	3.48	0.177		mg/Kg-dry	1	6/3/2020 4:53:16 PM
Selenium	0.932	0.442		mg/Kg-dry	1	6/3/2020 4:53:16 PM
Silver	ND	0.0885		mg/Kg-dry	1	6/3/2020 4:53:16 PM

Sample Moisture (Percent Moisture) Batch ID: R59547 Analyst: CJ

Percent Moisture	11.0	wt%	1	6/3/2020 12:09:22 PM
------------------	------	-----	---	----------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 11:05:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-005

Matrix: Soil

Client Sample ID: SB-EP-4-2'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28534 Analyst: CO

Arsenic	3.69	0.187	mg/Kg-dry	1	6/3/2020 4:58:49 PM
Lead	2.00	0.150	mg/Kg-dry	1	6/3/2020 4:58:49 PM

Sample Moisture (Percent Moisture) Batch ID: R59569 Analyst: MM

Percent Moisture	2.45	0.500	wt%	1	6/4/2020 9:12:08 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 11:10:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-006

Matrix: Soil

Client Sample ID: SB-EP-4-2.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28534 Analyst: CO

Arsenic	3.60	0.187	mg/Kg-dry	1	6/3/2020 5:04:23 PM
Lead	2.33	0.150	mg/Kg-dry	1	6/3/2020 5:04:23 PM

Sample Moisture (Percent Moisture) Batch ID: R59569 Analyst: MM

Percent Moisture	3.18	0.500	wt%	1	6/4/2020 9:12:08 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 11:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-007

Matrix: Soil

Client Sample ID: SB-EP-1-2'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organochlorine Pesticides by EPA Method 8081

				Batch ID:	28547	Analyst:	DW
Toxaphene	ND	0.108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
Alpha BHC	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
Beta BHC	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
Gamma BHC (Lindane)	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
Delta BHC	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
Heptachlor	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
Aldrin	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
Heptachlor epoxide	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
gamma-Chlordane	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
Endosulfan I	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
alpha-Chlordane	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
Dieldrin	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
4,4'-DDE	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
Endrin	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
Endosulfan II	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
4,4'-DDD	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
Endrin aldehyde	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
Endosulfan sulfate	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
4,4'-DDT	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
Endrin ketone	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
Methoxychlor	ND	0.0108		mg/Kg-dry	1	6/5/2020	1:46:03 PM
Surr: Decachlorobiphenyl	106	27 - 166		%Rec	1	6/5/2020	1:46:03 PM
Surr: Tetrachloro-m-xylene	85.1	28.1 - 171		%Rec	1	6/5/2020	1:46:03 PM

Hydrocarbon Identification by NWTPH-HCID

Batch ID: 28524 Analyst: DW

Gasoline	ND	22.1		mg/Kg-dry	1	6/3/2020	5:31:45 PM
Mineral Spirits	ND	33.1		mg/Kg-dry	1	6/3/2020	5:31:45 PM
Kerosene	ND	55.1		mg/Kg-dry	1	6/3/2020	5:31:45 PM
Diesel (Fuel Oil)	ND	55.1		mg/Kg-dry	1	6/3/2020	5:31:45 PM
Heavy Oil	ND	110		mg/Kg-dry	1	6/3/2020	5:31:45 PM
Mineral Oil	ND	110		mg/Kg-dry	1	6/3/2020	5:31:45 PM
Surr: 2-Fluorobiphenyl	76.5	50 - 150		%Rec	1	6/3/2020	5:31:45 PM
Surr: o-Terphenyl	90.6	50 - 150		%Rec	1	6/3/2020	5:31:45 PM

Herbicides by EPA Method 8151A (Mod)

Batch ID: 28601 Analyst: SB

Dicamba	ND	39.0		µg/Kg-dry	1	6/12/2020	4:22:41 PM
2,4-D	ND	33.4		µg/Kg-dry	1	6/12/2020	4:22:41 PM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 11:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-007

Matrix: Soil

Client Sample ID: SB-EP-1-2'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Herbicides by EPA Method 8151A (Mod) Batch ID: 28601 Analyst: SB

2,4-DP	ND	27.9		µg/Kg-dry	1	6/12/2020 4:22:41 PM
2,4,5-TP (Silvex)	ND	22.3		µg/Kg-dry	1	6/12/2020 4:22:41 PM
2,4,5-T	ND	55.7		µg/Kg-dry	1	6/12/2020 4:22:41 PM
Dinoseb	ND	33.4		µg/Kg-dry	1	6/12/2020 4:22:41 PM
Dalapon	ND	223		µg/Kg-dry	1	6/12/2020 4:22:41 PM
2,4-DB	ND	27.9		µg/Kg-dry	1	6/12/2020 4:22:41 PM
MCPP	ND	4,900		µg/Kg-dry	1	6/12/2020 4:22:41 PM
MCPA	ND	3,120		µg/Kg-dry	1	6/12/2020 4:22:41 PM
Picloram	ND	55.7	Q	µg/Kg-dry	1	6/12/2020 4:22:41 PM
Bentazon	ND	39.0		µg/Kg-dry	1	6/12/2020 4:22:41 PM
Chloramben	ND	22.3		µg/Kg-dry	1	6/12/2020 4:22:41 PM
Acifluorfen	ND	89.2		µg/Kg-dry	1	6/12/2020 4:22:41 PM
3,5-Dichlorobenzoic acid	ND	44.6		µg/Kg-dry	1	6/12/2020 4:22:41 PM
4-Nitrophenol	ND	33.4		µg/Kg-dry	1	6/12/2020 4:22:41 PM
Dacthal (DCPA)	ND	33.4		µg/Kg-dry	1	6/12/2020 4:22:41 PM
Surr: 2,4-Dichlorophenylacetic acid	69.2	15.3 - 163		%Rec	1	6/12/2020 4:22:41 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Organophosphorus Pesticides by EPA Method 8270-SIM Batch ID: 28540 Analyst: SB

DDVP	ND	56.0		µg/Kg-dry	1	6/10/2020 2:12:12 AM
Mevinphos	ND	56.0		µg/Kg-dry	1	6/10/2020 2:12:12 AM
TEPP	ND	56.0		µg/Kg-dry	1	6/10/2020 2:12:12 AM
Demeton, Total	ND	56.0		µg/Kg-dry	1	6/10/2020 2:12:12 AM
Ethoprophos	ND	56.0		µg/Kg-dry	1	6/10/2020 2:12:12 AM
Naled	ND	56.0	Q	µg/Kg-dry	1	6/10/2020 2:12:12 AM
Sulfotepp	ND	56.0		µg/Kg-dry	1	6/10/2020 2:12:12 AM
Monocrotophos	ND	56.0	Q	µg/Kg-dry	1	6/10/2020 2:12:12 AM
Phorate	ND	56.0		µg/Kg-dry	1	6/10/2020 2:12:12 AM
Dimethoate	ND	56.0		µg/Kg-dry	1	6/10/2020 2:12:12 AM
Diazinon	ND	56.0		µg/Kg-dry	1	6/10/2020 2:12:12 AM
Disulfoton	ND	56.0		µg/Kg-dry	1	6/10/2020 2:12:12 AM
Parathion, methyl	ND	56.0		µg/Kg-dry	1	6/10/2020 2:12:12 AM
Fenchlorphos	ND	56.0		µg/Kg-dry	1	6/10/2020 2:12:12 AM
Malathion	ND	56.0		µg/Kg-dry	1	6/10/2020 2:12:12 AM
Dursban	ND	56.0		µg/Kg-dry	1	6/10/2020 2:12:12 AM
Fenthion	ND	56.0		µg/Kg-dry	1	6/10/2020 2:12:12 AM
Parathion	ND	56.0		µg/Kg-dry	1	6/10/2020 2:12:12 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 11:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-007

Matrix: Soil

Client Sample ID: SB-EP-1-2'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organophosphorus Pesticides by EPA Method 8270-SIM

Trichloronate	ND	56.0	µg/Kg-dry	1	6/10/2020 2:12:12 AM
Merphos	ND	56.0	µg/Kg-dry	1	6/10/2020 2:12:12 AM
Stirophos	ND	56.0	µg/Kg-dry	1	6/10/2020 2:12:12 AM
Prothiofos	ND	56.0	µg/Kg-dry	1	6/10/2020 2:12:12 AM
Fensulfothion	ND	56.0	µg/Kg-dry	1	6/10/2020 2:12:12 AM
Sulprofos	ND	56.0	µg/Kg-dry	1	6/10/2020 2:12:12 AM
EPN	ND	56.0	µg/Kg-dry	1	6/10/2020 2:12:12 AM
Guthion	ND	56.0	µg/Kg-dry	1	6/10/2020 2:12:12 AM
Coumaphos	ND	56.0	µg/Kg-dry	1	6/10/2020 2:12:12 AM
Surr: Triphenylphosphate	86.7	10.7 - 154	%Rec	1	6/10/2020 2:12:12 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Semi-Volatile Organic Compounds by EPA Method 8270

Batch ID: 28538 Analyst: SB

Phenol	ND	98.4	µg/Kg-dry	1	6/5/2020 6:42:44 AM
Bis(2-chloroethyl) ether	ND	98.4	µg/Kg-dry	1	6/5/2020 6:42:44 AM
2-Chlorophenol	ND	98.4	µg/Kg-dry	1	6/5/2020 6:42:44 AM
1,3-Dichlorobenzene	ND	73.8	µg/Kg-dry	1	6/5/2020 6:42:44 AM
1,4-Dichlorobenzene	ND	73.8	µg/Kg-dry	1	6/5/2020 6:42:44 AM
1,2-Dichlorobenzene	ND	73.8	µg/Kg-dry	1	6/5/2020 6:42:44 AM
Benzyl alcohol	ND	98.4	µg/Kg-dry	1	6/5/2020 6:42:44 AM
2-Methylphenol (o-cresol)	ND	98.4	µg/Kg-dry	1	6/5/2020 6:42:44 AM
Hexachloroethane	ND	98.4	µg/Kg-dry	1	6/5/2020 6:42:44 AM
N-Nitrosodi-n-propylamine	ND	98.4	µg/Kg-dry	1	6/5/2020 6:42:44 AM
3&4-Methylphenol (m, p-cresol)	ND	98.4	µg/Kg-dry	1	6/5/2020 6:42:44 AM
Nitrobenzene	ND	98.4	µg/Kg-dry	1	6/5/2020 6:42:44 AM
Isophorone	ND	98.4	µg/Kg-dry	1	6/5/2020 6:42:44 AM
2-Nitrophenol	ND	98.4	µg/Kg-dry	1	6/5/2020 6:42:44 AM
2,4-Dimethylphenol	ND	98.4	µg/Kg-dry	1	6/5/2020 6:42:44 AM
Bis(2-chloroethoxy)methane	ND	73.8	µg/Kg-dry	1	6/5/2020 6:42:44 AM
2,4-Dichlorophenol	ND	98.4	µg/Kg-dry	1	6/5/2020 6:42:44 AM
1,2,4-Trichlorobenzene	ND	73.8	µg/Kg-dry	1	6/5/2020 6:42:44 AM
Naphthalene	ND	49.2	µg/Kg-dry	1	6/5/2020 6:42:44 AM
4-Chloroaniline	ND	73.8	µg/Kg-dry	1	6/5/2020 6:42:44 AM
Hexachlorobutadiene	ND	73.8	µg/Kg-dry	1	6/5/2020 6:42:44 AM
4-Chloro-3-methylphenol	ND	197	µg/Kg-dry	1	6/5/2020 6:42:44 AM
2-Methylnaphthalene	ND	49.2	µg/Kg-dry	1	6/5/2020 6:42:44 AM
1-Methylnaphthalene	ND	49.2	µg/Kg-dry	1	6/5/2020 6:42:44 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 11:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-007

Matrix: Soil

Client Sample ID: SB-EP-1-2'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Semi-Volatile Organic Compounds by EPA Method 8270						
					Batch ID: 28538	Analyst: SB
Hexachlorocyclopentadiene	ND	98.4		µg/Kg-dry	1	6/5/2020 6:42:44 AM
2,4,6-Trichlorophenol	ND	98.4		µg/Kg-dry	1	6/5/2020 6:42:44 AM
2,4,5-Trichlorophenol	ND	98.4		µg/Kg-dry	1	6/5/2020 6:42:44 AM
2-Chloronaphthalene	ND	73.8		µg/Kg-dry	1	6/5/2020 6:42:44 AM
2-Nitroaniline	ND	98.4	Q	µg/Kg-dry	1	6/5/2020 6:42:44 AM
Acenaphthene	ND	49.2		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Dimethylphthalate	ND	98.4		µg/Kg-dry	1	6/5/2020 6:42:44 AM
2,6-Dinitrotoluene	ND	98.4		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Acenaphthylene	ND	49.2		µg/Kg-dry	1	6/5/2020 6:42:44 AM
2,4-Dinitrophenol	ND	517		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Dibenzofuran	ND	73.8		µg/Kg-dry	1	6/5/2020 6:42:44 AM
2,4-Dinitrotoluene	ND	98.4		µg/Kg-dry	1	6/5/2020 6:42:44 AM
4-Nitrophenol	ND	492		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Fluorene	ND	49.2		µg/Kg-dry	1	6/5/2020 6:42:44 AM
4-Chlorophenyl phenyl ether	ND	73.8		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Diethylphthalate	ND	98.4		µg/Kg-dry	1	6/5/2020 6:42:44 AM
4,6-Dinitro-2-methylphenol	ND	197		µg/Kg-dry	1	6/5/2020 6:42:44 AM
4-Bromophenyl phenyl ether	ND	73.8		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Hexachlorobenzene	ND	73.8		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Pentachlorophenol	ND	98.4		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Phenanthrene	ND	49.2		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Anthracene	ND	49.2		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Carbazole	ND	73.8		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Di-n-butylphthalate	ND	98.4		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Fluoranthene	ND	49.2		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Pyrene	ND	49.2		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Butyl Benzylphthalate	ND	98.4		µg/Kg-dry	1	6/5/2020 6:42:44 AM
bis(2-Ethylhexyl)adipate	ND	98.4		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Benz(a)anthracene	ND	49.2		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Chrysene	ND	49.2		µg/Kg-dry	1	6/5/2020 6:42:44 AM
bis (2-Ethylhexyl) phthalate	ND	98.4		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Di-n-octyl phthalate	ND	98.4	Q	µg/Kg-dry	1	6/5/2020 6:42:44 AM
Benzo(b)fluoranthene	ND	49.2		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Benzo(k)fluoranthene	ND	49.2		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Benzo(a)pyrene	ND	49.2		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Indeno(1,2,3-cd)pyrene	ND	49.2		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Dibenz(a,h)anthracene	ND	49.2		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Benzo(g,h,i)perylene	ND	49.2		µg/Kg-dry	1	6/5/2020 6:42:44 AM
Surr: 2,4,6-Tribromophenol	54.7	5 - 139		%Rec	1	6/5/2020 6:42:44 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 11:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-007

Matrix: Soil

Client Sample ID: SB-EP-1-2'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Semi-Volatile Organic Compounds by EPA Method 8270

Surr: 2-Fluorobiphenyl	50.6	5 - 131	%Rec	1	6/5/2020 6:42:44 AM
Surr: Nitrobenzene-d5	46.9	5 - 123	%Rec	1	6/5/2020 6:42:44 AM
Surr: Phenol-d6	52.0	5 - 129	%Rec	1	6/5/2020 6:42:44 AM
Surr: p-Terphenyl	62.3	13.8 - 140	%Rec	1	6/5/2020 6:42:44 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 28529 Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
Chloromethane	ND	0.0644	mg/Kg-dry	1	6/3/2020 10:28:40 PM
Vinyl chloride	ND	0.0322	mg/Kg-dry	1	6/3/2020 10:28:40 PM
Bromomethane	ND	0.0644	mg/Kg-dry	1	6/3/2020 10:28:40 PM
Trichlorofluoromethane (CFC-11)	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
Chloroethane	ND	0.0644	mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,1-Dichloroethene	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
Methylene chloride	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
trans-1,2-Dichloroethene	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
Methyl tert-butyl ether (MTBE)	ND	0.0644	mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,1-Dichloroethane	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
cis-1,2-Dichloroethene	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
Chloroform	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,1,1-Trichloroethane (TCA)	ND	0.0322	mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,1-Dichloropropene	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
Carbon tetrachloride	ND	0.0644	mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,2-Dichloroethane (EDC)	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
Benzene	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
Trichloroethene (TCE)	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,2-Dichloropropane	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
Bromodichloromethane	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
Dibromomethane	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
cis-1,3-Dichloropropene	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
Toluene	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
trans-1,3-Dichloropropylene	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,1,2-Trichloroethane	ND	0.0258	mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,3-Dichloropropane	ND	0.0322	mg/Kg-dry	1	6/3/2020 10:28:40 PM
Tetrachloroethene (PCE)	ND	0.0322	mg/Kg-dry	1	6/3/2020 10:28:40 PM
Dibromochloromethane	ND	0.0322	mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,2-Dibromoethane (EDB)	ND	0.00644	mg/Kg-dry	1	6/3/2020 10:28:40 PM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 11:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-007

Matrix: Soil

Client Sample ID: SB-EP-1-2'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 28529 Analyst: KT

Chlorobenzene	ND	0.0322		mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,1,1,2-Tetrachloroethane	ND	0.0322		mg/Kg-dry	1	6/3/2020 10:28:40 PM
Ethylbenzene	ND	0.0322		mg/Kg-dry	1	6/3/2020 10:28:40 PM
m,p-Xylene	ND	0.0644		mg/Kg-dry	1	6/3/2020 10:28:40 PM
o-Xylene	ND	0.0322		mg/Kg-dry	1	6/3/2020 10:28:40 PM
Styrene	ND	0.0322		mg/Kg-dry	1	6/3/2020 10:28:40 PM
Isopropylbenzene	ND	0.0322		mg/Kg-dry	1	6/3/2020 10:28:40 PM
Bromoform	ND	0.0644		mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,1,2,2-Tetrachloroethane	ND	0.0258		mg/Kg-dry	1	6/3/2020 10:28:40 PM
n-Propylbenzene	ND	0.0322		mg/Kg-dry	1	6/3/2020 10:28:40 PM
Bromobenzene	ND	0.0258		mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,3,5-Trimethylbenzene	ND	0.0322		mg/Kg-dry	1	6/3/2020 10:28:40 PM
2-Chlorotoluene	ND	0.0322		mg/Kg-dry	1	6/3/2020 10:28:40 PM
4-Chlorotoluene	ND	0.0322		mg/Kg-dry	1	6/3/2020 10:28:40 PM
tert-Butylbenzene	ND	0.0322		mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,2,3-Trichloropropane	ND	0.0322		mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,2,4-Trichlorobenzene	ND	0.0322		mg/Kg-dry	1	6/3/2020 10:28:40 PM
sec-Butylbenzene	ND	0.0644		mg/Kg-dry	1	6/3/2020 10:28:40 PM
4-Isopropyltoluene	ND	0.0644		mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,3-Dichlorobenzene	ND	0.0258	*	mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,4-Dichlorobenzene	ND	0.0258	*	mg/Kg-dry	1	6/3/2020 10:28:40 PM
n-Butylbenzene	ND	0.0322		mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,2-Dichlorobenzene	ND	0.0258	*	mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,2-Dibromo-3-chloropropane	ND	0.644		mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,2,4-Trimethylbenzene	ND	0.0258		mg/Kg-dry	1	6/3/2020 10:28:40 PM
Hexachloro-1,3-butadiene	ND	0.0644		mg/Kg-dry	1	6/3/2020 10:28:40 PM
Naphthalene	ND	0.0644		mg/Kg-dry	1	6/3/2020 10:28:40 PM
1,2,3-Trichlorobenzene	ND	0.0258		mg/Kg-dry	1	6/3/2020 10:28:40 PM
Surr: Dibromofluoromethane	95.5	83.3 - 111		%Rec	1	6/3/2020 10:28:40 PM
Surr: Toluene-d8	92.4	87.9 - 111		%Rec	1	6/3/2020 10:28:40 PM
Surr: 1-Bromo-4-fluorobenzene	97.2	85.1 - 111		%Rec	1	6/3/2020 10:28:40 PM

NOTES:

* - Flagged value is not within established control limits.

Mercury by EPA Method 7471

Batch ID: 28516 Analyst: WF

Mercury	ND	0.265	mg/Kg-dry	1	6/3/2020 1:22:25 PM
---------	----	-------	-----------	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 11:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-007

Matrix: Soil

Client Sample ID: SB-EP-1-2'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B				Batch ID:	28534	Analyst: CO
Arsenic	4.38	0.225		mg/Kg-dry	1	6/3/2020 5:09:57 PM
Barium	75.6	0.450		mg/Kg-dry	1	6/3/2020 5:09:57 PM
Cadmium	ND	0.180		mg/Kg-dry	1	6/3/2020 5:09:57 PM
Chromium	19.7	0.0901		mg/Kg-dry	1	6/3/2020 5:09:57 PM
Lead	3.19	0.180		mg/Kg-dry	1	6/3/2020 5:09:57 PM
Selenium	1.02	0.450		mg/Kg-dry	1	6/3/2020 5:09:57 PM
Silver	ND	0.0901		mg/Kg-dry	1	6/3/2020 5:09:57 PM

Sample Moisture (Percent Moisture) Batch ID: R59569 Analyst: MM

Percent Moisture	12.6	wt%	1	6/4/2020 9:12:08 AM
------------------	------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 12:00:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-008

Matrix: Soil

Client Sample ID: SB-EP-2-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organochlorine Pesticides by EPA Method 8081

				Batch ID:	28547	Analyst:	DW
Toxaphene	ND	0.103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
Alpha BHC	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
Beta BHC	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
Gamma BHC (Lindane)	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
Delta BHC	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
Heptachlor	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
Aldrin	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
Heptachlor epoxide	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
gamma-Chlordane	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
Endosulfan I	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
alpha-Chlordane	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
Dieldrin	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
4,4'-DDE	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
Endrin	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
Endosulfan II	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
4,4'-DDD	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
Endrin aldehyde	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
Endosulfan sulfate	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
4,4'-DDT	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
Endrin ketone	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
Methoxychlor	ND	0.0103		mg/Kg-dry	1	6/5/2020	1:55:39 PM
Surr: Decachlorobiphenyl	94.6	27 - 166		%Rec	1	6/5/2020	1:55:39 PM
Surr: Tetrachloro-m-xylene	84.5	28.1 - 171		%Rec	1	6/5/2020	1:55:39 PM

Hydrocarbon Identification by NWTPH-HCID

Batch ID: 28524 Analyst: DW

Gasoline	ND	18.7		mg/Kg-dry	1	6/3/2020	6:01:33 PM
Mineral Spirits	ND	28.0		mg/Kg-dry	1	6/3/2020	6:01:33 PM
Kerosene	ND	46.7		mg/Kg-dry	1	6/3/2020	6:01:33 PM
Diesel (Fuel Oil)	ND	46.7		mg/Kg-dry	1	6/3/2020	6:01:33 PM
Heavy Oil	ND	93.4		mg/Kg-dry	1	6/3/2020	6:01:33 PM
Mineral Oil	ND	93.4		mg/Kg-dry	1	6/3/2020	6:01:33 PM
Surr: 2-Fluorobiphenyl	75.0	50 - 150		%Rec	1	6/3/2020	6:01:33 PM
Surr: o-Terphenyl	86.7	50 - 150		%Rec	1	6/3/2020	6:01:33 PM

Herbicides by EPA Method 8151A (Mod)

Batch ID: 28601 Analyst: SB

Dicamba	ND	37.0		µg/Kg-dry	1	6/12/2020	4:43:07 PM
2,4-D	ND	31.7		µg/Kg-dry	1	6/12/2020	4:43:07 PM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 12:00:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-008

Matrix: Soil

Client Sample ID: SB-EP-2-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Herbicides by EPA Method 8151A (Mod) Batch ID: 28601 Analyst: SB

2,4-DP	ND	26.4		µg/Kg-dry	1	6/12/2020 4:43:07 PM
2,4,5-TP (Silvex)	ND	21.1		µg/Kg-dry	1	6/12/2020 4:43:07 PM
2,4,5-T	ND	52.8		µg/Kg-dry	1	6/12/2020 4:43:07 PM
Dinoseb	ND	31.7		µg/Kg-dry	1	6/12/2020 4:43:07 PM
Dalapon	ND	211		µg/Kg-dry	1	6/12/2020 4:43:07 PM
2,4-DB	ND	26.4		µg/Kg-dry	1	6/12/2020 4:43:07 PM
MCPP	ND	4,650		µg/Kg-dry	1	6/12/2020 4:43:07 PM
MCPA	ND	2,960		µg/Kg-dry	1	6/12/2020 4:43:07 PM
Picloram	ND	52.8	Q	µg/Kg-dry	1	6/12/2020 4:43:07 PM
Bentazon	ND	37.0		µg/Kg-dry	1	6/12/2020 4:43:07 PM
Chloramben	ND	21.1		µg/Kg-dry	1	6/12/2020 4:43:07 PM
Acifluorfen	ND	84.5		µg/Kg-dry	1	6/12/2020 4:43:07 PM
3,5-Dichlorobenzoic acid	ND	42.3		µg/Kg-dry	1	6/12/2020 4:43:07 PM
4-Nitrophenol	ND	31.7		µg/Kg-dry	1	6/12/2020 4:43:07 PM
Dacthal (DCPA)	ND	31.7		µg/Kg-dry	1	6/12/2020 4:43:07 PM
Surr: 2,4-Dichlorophenylacetic acid	112	15.3 - 163		%Rec	1	6/12/2020 4:43:07 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Organophosphorus Pesticides by EPA Method 8270-SIM Batch ID: 28540 Analyst: SB

DDVP	ND	51.3		µg/Kg-dry	1	6/10/2020 2:34:40 AM
Mevinphos	ND	51.3		µg/Kg-dry	1	6/10/2020 2:34:40 AM
TEPP	ND	51.3		µg/Kg-dry	1	6/10/2020 2:34:40 AM
Demeton, Total	ND	51.3		µg/Kg-dry	1	6/10/2020 2:34:40 AM
Ethoprophos	ND	51.3		µg/Kg-dry	1	6/10/2020 2:34:40 AM
Naled	ND	51.3	Q	µg/Kg-dry	1	6/10/2020 2:34:40 AM
Sulfotepp	ND	51.3		µg/Kg-dry	1	6/10/2020 2:34:40 AM
Monocrotophos	ND	51.3	Q	µg/Kg-dry	1	6/10/2020 2:34:40 AM
Phorate	ND	51.3		µg/Kg-dry	1	6/10/2020 2:34:40 AM
Dimethoate	ND	51.3		µg/Kg-dry	1	6/10/2020 2:34:40 AM
Diazinon	ND	51.3		µg/Kg-dry	1	6/10/2020 2:34:40 AM
Disulfoton	ND	51.3		µg/Kg-dry	1	6/10/2020 2:34:40 AM
Parathion, methyl	ND	51.3		µg/Kg-dry	1	6/10/2020 2:34:40 AM
Fenchlorphos	ND	51.3		µg/Kg-dry	1	6/10/2020 2:34:40 AM
Malathion	ND	51.3		µg/Kg-dry	1	6/10/2020 2:34:40 AM
Dursban	ND	51.3		µg/Kg-dry	1	6/10/2020 2:34:40 AM
Fenthion	ND	51.3		µg/Kg-dry	1	6/10/2020 2:34:40 AM
Parathion	ND	51.3		µg/Kg-dry	1	6/10/2020 2:34:40 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 12:00:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-008

Matrix: Soil

Client Sample ID: SB-EP-2-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organophosphorus Pesticides by EPA Method 8270-SIM

Trichloronate	ND	51.3	µg/Kg-dry	1	6/10/2020 2:34:40 AM
Merphos	ND	51.3	µg/Kg-dry	1	6/10/2020 2:34:40 AM
Stirophos	ND	51.3	µg/Kg-dry	1	6/10/2020 2:34:40 AM
Prothiofos	ND	51.3	µg/Kg-dry	1	6/10/2020 2:34:40 AM
Fensulfothion	ND	51.3	µg/Kg-dry	1	6/10/2020 2:34:40 AM
Sulprofos	ND	51.3	µg/Kg-dry	1	6/10/2020 2:34:40 AM
EPN	ND	51.3	µg/Kg-dry	1	6/10/2020 2:34:40 AM
Guthion	ND	51.3	µg/Kg-dry	1	6/10/2020 2:34:40 AM
Coumaphos	ND	51.3	µg/Kg-dry	1	6/10/2020 2:34:40 AM
Surr: Triphenylphosphate	94.0	10.7 - 154	%Rec	1	6/10/2020 2:34:40 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Semi-Volatile Organic Compounds by EPA Method 8270

Batch ID: 28538 Analyst: SB

Phenol	ND	98.2	µg/Kg-dry	1	6/5/2020 8:12:06 AM
Bis(2-chloroethyl) ether	ND	98.2	µg/Kg-dry	1	6/5/2020 8:12:06 AM
2-Chlorophenol	ND	98.2	µg/Kg-dry	1	6/5/2020 8:12:06 AM
1,3-Dichlorobenzene	ND	73.6	µg/Kg-dry	1	6/5/2020 8:12:06 AM
1,4-Dichlorobenzene	ND	73.6	µg/Kg-dry	1	6/5/2020 8:12:06 AM
1,2-Dichlorobenzene	ND	73.6	µg/Kg-dry	1	6/5/2020 8:12:06 AM
Benzyl alcohol	ND	98.2	µg/Kg-dry	1	6/5/2020 8:12:06 AM
2-Methylphenol (o-cresol)	ND	98.2	µg/Kg-dry	1	6/5/2020 8:12:06 AM
Hexachloroethane	ND	98.2	µg/Kg-dry	1	6/5/2020 8:12:06 AM
N-Nitrosodi-n-propylamine	ND	98.2	µg/Kg-dry	1	6/5/2020 8:12:06 AM
3&4-Methylphenol (m, p-cresol)	ND	98.2	µg/Kg-dry	1	6/5/2020 8:12:06 AM
Nitrobenzene	ND	98.2	µg/Kg-dry	1	6/5/2020 8:12:06 AM
Isophorone	ND	98.2	µg/Kg-dry	1	6/5/2020 8:12:06 AM
2-Nitrophenol	ND	98.2	µg/Kg-dry	1	6/5/2020 8:12:06 AM
2,4-Dimethylphenol	ND	98.2	µg/Kg-dry	1	6/5/2020 8:12:06 AM
Bis(2-chloroethoxy)methane	ND	73.6	µg/Kg-dry	1	6/5/2020 8:12:06 AM
2,4-Dichlorophenol	ND	98.2	µg/Kg-dry	1	6/5/2020 8:12:06 AM
1,2,4-Trichlorobenzene	ND	73.6	µg/Kg-dry	1	6/5/2020 8:12:06 AM
Naphthalene	ND	49.1	µg/Kg-dry	1	6/5/2020 8:12:06 AM
4-Chloroaniline	ND	73.6	µg/Kg-dry	1	6/5/2020 8:12:06 AM
Hexachlorobutadiene	ND	73.6	µg/Kg-dry	1	6/5/2020 8:12:06 AM
4-Chloro-3-methylphenol	ND	196	µg/Kg-dry	1	6/5/2020 8:12:06 AM
2-Methylnaphthalene	ND	49.1	µg/Kg-dry	1	6/5/2020 8:12:06 AM
1-Methylnaphthalene	ND	49.1	µg/Kg-dry	1	6/5/2020 8:12:06 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 12:00:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-008

Matrix: Soil

Client Sample ID: SB-EP-2-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID:	28538	Analyst: SB
Hexachlorocyclopentadiene	ND	98.2		µg/Kg-dry	1	6/5/2020 8:12:06 AM
2,4,6-Trichlorophenol	ND	98.2		µg/Kg-dry	1	6/5/2020 8:12:06 AM
2,4,5-Trichlorophenol	ND	98.2		µg/Kg-dry	1	6/5/2020 8:12:06 AM
2-Chloronaphthalene	ND	73.6		µg/Kg-dry	1	6/5/2020 8:12:06 AM
2-Nitroaniline	ND	98.2	Q	µg/Kg-dry	1	6/5/2020 8:12:06 AM
Acenaphthene	ND	49.1		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Dimethylphthalate	ND	98.2		µg/Kg-dry	1	6/5/2020 8:12:06 AM
2,6-Dinitrotoluene	ND	98.2		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Acenaphthylene	ND	49.1		µg/Kg-dry	1	6/5/2020 8:12:06 AM
2,4-Dinitrophenol	ND	515		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Dibenzofuran	ND	73.6		µg/Kg-dry	1	6/5/2020 8:12:06 AM
2,4-Dinitrotoluene	ND	98.2		µg/Kg-dry	1	6/5/2020 8:12:06 AM
4-Nitrophenol	ND	491		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Fluorene	ND	49.1		µg/Kg-dry	1	6/5/2020 8:12:06 AM
4-Chlorophenyl phenyl ether	ND	73.6		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Diethylphthalate	ND	98.2		µg/Kg-dry	1	6/5/2020 8:12:06 AM
4,6-Dinitro-2-methylphenol	ND	196		µg/Kg-dry	1	6/5/2020 8:12:06 AM
4-Bromophenyl phenyl ether	ND	73.6		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Hexachlorobenzene	ND	73.6		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Pentachlorophenol	ND	98.2		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Phenanthrene	ND	49.1		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Anthracene	ND	49.1		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Carbazole	ND	73.6		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Di-n-butylphthalate	ND	98.2		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Fluoranthene	ND	49.1		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Pyrene	ND	49.1		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Butyl Benzylphthalate	133	98.2		µg/Kg-dry	1	6/5/2020 8:12:06 AM
bis(2-Ethylhexyl)adipate	ND	98.2		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Benz(a)anthracene	ND	49.1		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Chrysene	ND	49.1		µg/Kg-dry	1	6/5/2020 8:12:06 AM
bis (2-Ethylhexyl) phthalate	ND	98.2		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Di-n-octyl phthalate	ND	98.2	Q	µg/Kg-dry	1	6/5/2020 8:12:06 AM
Benzo(b)fluoranthene	ND	49.1		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Benzo(k)fluoranthene	ND	49.1		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Benzo(a)pyrene	ND	49.1		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Indeno(1,2,3-cd)pyrene	ND	49.1		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Dibenz(a,h)anthracene	ND	49.1		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Benzo(g,h,i)perylene	ND	49.1		µg/Kg-dry	1	6/5/2020 8:12:06 AM
Surr: 2,4,6-Tribromophenol	62.0	5 - 139		%Rec	1	6/5/2020 8:12:06 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 12:00:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-008

Matrix: Soil

Client Sample ID: SB-EP-2-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID:	28538	Analyst: SB
Surr: 2-Fluorobiphenyl	61.9	5 - 131	%Rec	1	6/5/2020 8:12:06 AM	
Surr: Nitrobenzene-d5	54.4	5 - 123	%Rec	1	6/5/2020 8:12:06 AM	
Surr: Phenol-d6	62.1	5 - 129	%Rec	1	6/5/2020 8:12:06 AM	
Surr: p-Terphenyl	71.5	13.8 - 140	%Rec	1	6/5/2020 8:12:06 AM	

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Volatile Organic Compounds by EPA Method 8260D				Batch ID:	28529	Analyst: KT
---	--	--	--	-----------	-------	-------------

Dichlorodifluoromethane (CFC-12)	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
Chloromethane	ND	0.0800	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
Vinyl chloride	ND	0.0400	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
Bromomethane	ND	0.0800	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
Trichlorofluoromethane (CFC-11)	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
Chloroethane	ND	0.0800	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
1,1-Dichloroethene	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
Methylene chloride	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
trans-1,2-Dichloroethene	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
Methyl tert-butyl ether (MTBE)	ND	0.0800	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
1,1-Dichloroethane	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
cis-1,2-Dichloroethene	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
Chloroform	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
1,1,1-Trichloroethane (TCA)	ND	0.0400	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
1,1-Dichloropropene	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
Carbon tetrachloride	ND	0.0800	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
1,2-Dichloroethane (EDC)	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
Benzene	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
Trichloroethene (TCE)	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
1,2-Dichloropropane	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
Bromodichloromethane	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
Dibromomethane	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
cis-1,3-Dichloropropene	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
Toluene	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
trans-1,3-Dichloropropylene	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
1,1,2-Trichloroethane	ND	0.0320	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
1,3-Dichloropropane	ND	0.0400	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
Tetrachloroethene (PCE)	ND	0.0400	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
Dibromochloromethane	ND	0.0400	mg/Kg-dry	1	6/3/2020 10:58:46 PM	
1,2-Dibromoethane (EDB)	ND	0.00800	mg/Kg-dry	1	6/3/2020 10:58:46 PM	



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 12:00:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-008

Matrix: Soil

Client Sample ID: SB-EP-2-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 28529 Analyst: KT

Chlorobenzene	ND	0.0400		mg/Kg-dry	1	6/3/2020 10:58:46 PM
1,1,1,2-Tetrachloroethane	ND	0.0400		mg/Kg-dry	1	6/3/2020 10:58:46 PM
Ethylbenzene	ND	0.0400		mg/Kg-dry	1	6/3/2020 10:58:46 PM
m,p-Xylene	ND	0.0800		mg/Kg-dry	1	6/3/2020 10:58:46 PM
o-Xylene	ND	0.0400		mg/Kg-dry	1	6/3/2020 10:58:46 PM
Styrene	ND	0.0400		mg/Kg-dry	1	6/3/2020 10:58:46 PM
Isopropylbenzene	ND	0.0400		mg/Kg-dry	1	6/3/2020 10:58:46 PM
Bromoform	ND	0.0800		mg/Kg-dry	1	6/3/2020 10:58:46 PM
1,1,2,2-Tetrachloroethane	ND	0.0320		mg/Kg-dry	1	6/3/2020 10:58:46 PM
n-Propylbenzene	ND	0.0400		mg/Kg-dry	1	6/3/2020 10:58:46 PM
Bromobenzene	ND	0.0320		mg/Kg-dry	1	6/3/2020 10:58:46 PM
1,3,5-Trimethylbenzene	ND	0.0400		mg/Kg-dry	1	6/3/2020 10:58:46 PM
2-Chlorotoluene	ND	0.0400		mg/Kg-dry	1	6/3/2020 10:58:46 PM
4-Chlorotoluene	ND	0.0400		mg/Kg-dry	1	6/3/2020 10:58:46 PM
tert-Butylbenzene	ND	0.0400		mg/Kg-dry	1	6/3/2020 10:58:46 PM
1,2,3-Trichloropropane	ND	0.0400		mg/Kg-dry	1	6/3/2020 10:58:46 PM
1,2,4-Trichlorobenzene	ND	0.0400		mg/Kg-dry	1	6/3/2020 10:58:46 PM
sec-Butylbenzene	ND	0.0800		mg/Kg-dry	1	6/3/2020 10:58:46 PM
4-Isopropyltoluene	ND	0.0800		mg/Kg-dry	1	6/3/2020 10:58:46 PM
1,3-Dichlorobenzene	ND	0.0320	*	mg/Kg-dry	1	6/3/2020 10:58:46 PM
1,4-Dichlorobenzene	ND	0.0320	*	mg/Kg-dry	1	6/3/2020 10:58:46 PM
n-Butylbenzene	ND	0.0400		mg/Kg-dry	1	6/3/2020 10:58:46 PM
1,2-Dichlorobenzene	ND	0.0320	*	mg/Kg-dry	1	6/3/2020 10:58:46 PM
1,2-Dibromo-3-chloropropane	ND	0.800		mg/Kg-dry	1	6/3/2020 10:58:46 PM
1,2,4-Trimethylbenzene	ND	0.0320		mg/Kg-dry	1	6/3/2020 10:58:46 PM
Hexachloro-1,3-butadiene	ND	0.0800		mg/Kg-dry	1	6/3/2020 10:58:46 PM
Naphthalene	ND	0.0800		mg/Kg-dry	1	6/3/2020 10:58:46 PM
1,2,3-Trichlorobenzene	ND	0.0320		mg/Kg-dry	1	6/3/2020 10:58:46 PM
Surr: Dibromofluoromethane	98.8	83.3 - 111		%Rec	1	6/3/2020 10:58:46 PM
Surr: Toluene-d8	91.8	87.9 - 111		%Rec	1	6/3/2020 10:58:46 PM
Surr: 1-Bromo-4-fluorobenzene	98.0	85.1 - 111		%Rec	1	6/3/2020 10:58:46 PM

NOTES:

* - Flagged value is not within established control limits.

Mercury by EPA Method 7471

Batch ID: 28516 Analyst: WF

Mercury	ND	0.255	mg/Kg-dry	1	6/3/2020 1:24:02 PM
---------	----	-------	-----------	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 12:00:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-008

Matrix: Soil

Client Sample ID: SB-EP-2-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B				Batch ID:	28534	Analyst: CO
Arsenic	4.15	0.198		mg/Kg-dry	1	6/3/2020 5:15:31 PM
Barium	71.7	0.395		mg/Kg-dry	1	6/3/2020 5:15:31 PM
Cadmium	ND	0.158		mg/Kg-dry	1	6/3/2020 5:15:31 PM
Chromium	22.6	0.0790		mg/Kg-dry	1	6/3/2020 5:15:31 PM
Lead	2.99	0.158		mg/Kg-dry	1	6/3/2020 5:15:31 PM
Selenium	0.804	0.395		mg/Kg-dry	1	6/3/2020 5:15:31 PM
Silver	ND	0.0790		mg/Kg-dry	1	6/3/2020 5:15:31 PM

Sample Moisture (Percent Moisture) Batch ID: R59569 Analyst: MM

Percent Moisture	7.64	wt%	1	6/4/2020 9:12:08 AM
------------------	------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 12:05:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-009

Matrix: Soil

Client Sample ID: SB-EP-2-3'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28534 Analyst: CO

Arsenic	3.30	0.196	mg/Kg-dry	1	6/3/2020 5:21:05 PM
Lead	2.05	0.157	mg/Kg-dry	1	6/3/2020 5:21:05 PM

Sample Moisture (Percent Moisture) Batch ID: R59569 Analyst: MM

Percent Moisture	1.74	0.500	wt%	1	6/4/2020 9:12:08 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 12:10:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-010

Matrix: Soil

Client Sample ID: SB-EP-2-3.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28534 Analyst: CO

Arsenic	4.12	0.202	mg/Kg-dry	1	6/3/2020 5:26:39 PM
Lead	2.34	0.162	mg/Kg-dry	1	6/3/2020 5:26:39 PM

Sample Moisture (Percent Moisture) Batch ID: R59609 Analyst: EH

Percent Moisture	1.74	0.500	wt%	1	6/5/2020 8:42:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 1:05:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-011

Matrix: Soil

Client Sample ID: SB-EP-1-6'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28534 Analyst: CO

Arsenic	3.64	0.195	mg/Kg-dry	1	6/3/2020 5:40:23 PM
Lead	2.66	0.156	mg/Kg-dry	1	6/3/2020 5:40:23 PM

Sample Moisture (Percent Moisture) Batch ID: R59609 Analyst: EH

Percent Moisture	4.34	0.500	wt%	1	6/5/2020 8:42:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 1:10:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-012

Matrix: Soil

Client Sample ID: SB-EP-1-6.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28534 Analyst: CO

Arsenic	3.27	0.208	mg/Kg-dry	1	6/3/2020 5:44:57 PM
Lead	2.03	0.166	mg/Kg-dry	1	6/3/2020 5:44:57 PM

Sample Moisture (Percent Moisture) Batch ID: R59609 Analyst: EH

Percent Moisture	5.24	0.500	wt%	1	6/5/2020 8:42:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 1:30:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-013

Matrix: Soil

Client Sample ID: SB-EP-3-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organochlorine Pesticides by EPA Method 8081

				Batch ID:	28547	Analyst:	DW
Toxaphene	ND	0.0996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
Alpha BHC	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
Beta BHC	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
Gamma BHC (Lindane)	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
Delta BHC	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
Heptachlor	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
Aldrin	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
Heptachlor epoxide	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
gamma-Chlordane	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
Endosulfan I	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
alpha-Chlordane	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
Dieldrin	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
4,4'-DDE	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
Endrin	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
Endosulfan II	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
4,4'-DDD	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
Endrin aldehyde	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
Endosulfan sulfate	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
4,4'-DDT	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
Endrin ketone	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
Methoxychlor	ND	0.00996		mg/Kg-dry	1	6/5/2020	2:05:17 PM
Surr: Decachlorobiphenyl	96.4	27 - 166		%Rec	1	6/5/2020	2:05:17 PM
Surr: Tetrachloro-m-xylene	87.7	28.1 - 171		%Rec	1	6/5/2020	2:05:17 PM

Hydrocarbon Identification by NWTPH-HCID

Batch ID: 28524 Analyst: DW

Gasoline	ND	18.3		mg/Kg-dry	1	6/3/2020	6:31:26 PM
Mineral Spirits	ND	27.4		mg/Kg-dry	1	6/3/2020	6:31:26 PM
Kerosene	ND	45.7		mg/Kg-dry	1	6/3/2020	6:31:26 PM
Diesel (Fuel Oil)	ND	45.7		mg/Kg-dry	1	6/3/2020	6:31:26 PM
Heavy Oil	ND	91.5		mg/Kg-dry	1	6/3/2020	6:31:26 PM
Mineral Oil	ND	91.5		mg/Kg-dry	1	6/3/2020	6:31:26 PM
Surr: 2-Fluorobiphenyl	79.1	50 - 150		%Rec	1	6/3/2020	6:31:26 PM
Surr: o-Terphenyl	92.1	50 - 150		%Rec	1	6/3/2020	6:31:26 PM

Herbicides by EPA Method 8151A (Mod)

Batch ID: 28601 Analyst: SB

Dicamba	ND	34.3		µg/Kg-dry	1	6/12/2020	5:03:34 PM
2,4-D	ND	29.4		µg/Kg-dry	1	6/12/2020	5:03:34 PM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 1:30:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-013

Matrix: Soil

Client Sample ID: SB-EP-3-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Herbicides by EPA Method 8151A (Mod) Batch ID: 28601 Analyst: SB

2,4-DP	ND	24.5		µg/Kg-dry	1	6/12/2020 5:03:34 PM
2,4,5-TP (Silvex)	ND	19.6		µg/Kg-dry	1	6/12/2020 5:03:34 PM
2,4,5-T	ND	49.1		µg/Kg-dry	1	6/12/2020 5:03:34 PM
Dinoseb	ND	29.4		µg/Kg-dry	1	6/12/2020 5:03:34 PM
Dalapon	ND	196		µg/Kg-dry	1	6/12/2020 5:03:34 PM
2,4-DB	ND	24.5		µg/Kg-dry	1	6/12/2020 5:03:34 PM
MCPP	ND	4,320		µg/Kg-dry	1	6/12/2020 5:03:34 PM
MCPA	ND	2,750		µg/Kg-dry	1	6/12/2020 5:03:34 PM
Picloram	ND	49.1	Q	µg/Kg-dry	1	6/12/2020 5:03:34 PM
Bentazon	ND	34.3		µg/Kg-dry	1	6/12/2020 5:03:34 PM
Chloramben	ND	19.6		µg/Kg-dry	1	6/12/2020 5:03:34 PM
Acifluorfen	ND	78.5		µg/Kg-dry	1	6/12/2020 5:03:34 PM
3,5-Dichlorobenzoic acid	ND	39.2		µg/Kg-dry	1	6/12/2020 5:03:34 PM
4-Nitrophenol	ND	29.4		µg/Kg-dry	1	6/12/2020 5:03:34 PM
Dacthal (DCPA)	ND	29.4		µg/Kg-dry	1	6/12/2020 5:03:34 PM
Surr: 2,4-Dichlorophenylacetic acid	114	15.3 - 163		%Rec	1	6/12/2020 5:03:34 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Organophosphorus Pesticides by EPA Method 8270-SIM Batch ID: 28540 Analyst: SB

DDVP	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Mevinphos	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
TEPP	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Demeton, Total	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Ethoprophos	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Naled	ND	49.5	Q	µg/Kg-dry	1	6/10/2020 2:57:07 AM
Sulfotepp	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Monocrotophos	ND	49.5	Q	µg/Kg-dry	1	6/10/2020 2:57:07 AM
Phorate	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Dimethoate	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Diazinon	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Disulfoton	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Parathion, methyl	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Fenchlorphos	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Malathion	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Dursban	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Fenthion	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Parathion	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 1:30:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-013

Matrix: Soil

Client Sample ID: SB-EP-3-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organophosphorus Pesticides by EPA Method 8270-SIM

Trichloronate	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Merphos	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Stirophos	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Prothiofos	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Fensulfothion	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Sulprofos	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
EPN	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Guthion	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Coumaphos	ND	49.5		µg/Kg-dry	1	6/10/2020 2:57:07 AM
Surr: Triphenylphosphate	94.5	10.7 - 154		%Rec	1	6/10/2020 2:57:07 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Semi-Volatile Organic Compounds by EPA Method 8270

Batch ID: 28538 Analyst: SB

Phenol	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Bis(2-chloroethyl) ether	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
2-Chlorophenol	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
1,3-Dichlorobenzene	ND	72.8		µg/Kg-dry	1	6/5/2020 8:34:27 AM
1,4-Dichlorobenzene	ND	72.8		µg/Kg-dry	1	6/5/2020 8:34:27 AM
1,2-Dichlorobenzene	ND	72.8		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Benzyl alcohol	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
2-Methylphenol (o-cresol)	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Hexachloroethane	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
N-Nitrosodi-n-propylamine	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
3&4-Methylphenol (m, p-cresol)	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Nitrobenzene	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Isophorone	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
2-Nitrophenol	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
2,4-Dimethylphenol	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Bis(2-chloroethoxy)methane	ND	72.8		µg/Kg-dry	1	6/5/2020 8:34:27 AM
2,4-Dichlorophenol	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
1,2,4-Trichlorobenzene	ND	72.8		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Naphthalene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
4-Chloroaniline	ND	72.8		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Hexachlorobutadiene	ND	72.8		µg/Kg-dry	1	6/5/2020 8:34:27 AM
4-Chloro-3-methylphenol	ND	194		µg/Kg-dry	1	6/5/2020 8:34:27 AM
2-Methylnaphthalene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
1-Methylnaphthalene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 1:30:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-013

Matrix: Soil

Client Sample ID: SB-EP-3-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID:	28538	Analyst: SB
Hexachlorocyclopentadiene	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
2,4,6-Trichlorophenol	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
2,4,5-Trichlorophenol	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
2-Chloronaphthalene	ND	72.8		µg/Kg-dry	1	6/5/2020 8:34:27 AM
2-Nitroaniline	ND	97.1	Q	µg/Kg-dry	1	6/5/2020 8:34:27 AM
Acenaphthene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Dimethylphthalate	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
2,6-Dinitrotoluene	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Acenaphthylene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
2,4-Dinitrophenol	ND	510		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Dibenzofuran	ND	72.8		µg/Kg-dry	1	6/5/2020 8:34:27 AM
2,4-Dinitrotoluene	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
4-Nitrophenol	ND	485		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Fluorene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
4-Chlorophenyl phenyl ether	ND	72.8		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Diethylphthalate	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
4,6-Dinitro-2-methylphenol	ND	194		µg/Kg-dry	1	6/5/2020 8:34:27 AM
4-Bromophenyl phenyl ether	ND	72.8		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Hexachlorobenzene	ND	72.8		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Pentachlorophenol	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Phenanthrene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Anthracene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Carbazole	ND	72.8		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Di-n-butylphthalate	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Fluoranthene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Pyrene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Butyl Benzylphthalate	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
bis(2-Ethylhexyl)adipate	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Benz(a)anthracene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Chrysene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
bis (2-Ethylhexyl) phthalate	ND	97.1		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Di-n-octyl phthalate	ND	97.1	Q	µg/Kg-dry	1	6/5/2020 8:34:27 AM
Benzo(b)fluoranthene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Benzo(k)fluoranthene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Benzo(a)pyrene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Indeno(1,2,3-cd)pyrene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Dibenz(a,h)anthracene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Benzo(g,h,i)perylene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:34:27 AM
Surr: 2,4,6-Tribromophenol	72.3	5 - 139		%Rec	1	6/5/2020 8:34:27 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 1:30:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-013

Matrix: Soil

Client Sample ID: SB-EP-3-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID:	28538	Analyst: SB
Surr: 2-Fluorobiphenyl	81.7	5 - 131	%Rec	1	6/5/2020 8:34:27 AM	
Surr: Nitrobenzene-d5	70.9	5 - 123	%Rec	1	6/5/2020 8:34:27 AM	
Surr: Phenol-d6	78.7	5 - 129	%Rec	1	6/5/2020 8:34:27 AM	
Surr: p-Terphenyl	86.0	13.8 - 140	%Rec	1	6/5/2020 8:34:27 AM	

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Volatile Organic Compounds by EPA Method 8260D				Batch ID:	28529	Analyst: KT
---	--	--	--	-----------	-------	-------------

Dichlorodifluoromethane (CFC-12)	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
Chloromethane	ND	0.0600	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
Vinyl chloride	ND	0.0300	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
Bromomethane	ND	0.0600	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
Trichlorofluoromethane (CFC-11)	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
Chloroethane	ND	0.0600	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
1,1-Dichloroethene	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
Methylene chloride	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
trans-1,2-Dichloroethene	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
Methyl tert-butyl ether (MTBE)	ND	0.0600	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
1,1-Dichloroethane	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
cis-1,2-Dichloroethene	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
Chloroform	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
1,1,1-Trichloroethane (TCA)	ND	0.0300	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
1,1-Dichloropropene	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
Carbon tetrachloride	ND	0.0600	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
1,2-Dichloroethane (EDC)	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
Benzene	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
Trichloroethene (TCE)	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
1,2-Dichloropropane	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
Bromodichloromethane	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
Dibromomethane	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
cis-1,3-Dichloropropene	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
Toluene	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
trans-1,3-Dichloropropylene	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
1,1,2-Trichloroethane	ND	0.0240	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
1,3-Dichloropropane	ND	0.0300	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
Tetrachloroethene (PCE)	ND	0.0300	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
Dibromochloromethane	ND	0.0300	mg/Kg-dry	1	6/3/2020 11:28:53 PM	
1,2-Dibromoethane (EDB)	ND	0.00600	mg/Kg-dry	1	6/3/2020 11:28:53 PM	



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 1:30:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-013

Matrix: Soil

Client Sample ID: SB-EP-3-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 28529 Analyst: KT

Chlorobenzene	ND	0.0300		mg/Kg-dry	1	6/3/2020 11:28:53 PM
1,1,1,2-Tetrachloroethane	ND	0.0300		mg/Kg-dry	1	6/3/2020 11:28:53 PM
Ethylbenzene	ND	0.0300		mg/Kg-dry	1	6/3/2020 11:28:53 PM
m,p-Xylene	ND	0.0600		mg/Kg-dry	1	6/3/2020 11:28:53 PM
o-Xylene	ND	0.0300		mg/Kg-dry	1	6/3/2020 11:28:53 PM
Styrene	ND	0.0300		mg/Kg-dry	1	6/3/2020 11:28:53 PM
Isopropylbenzene	ND	0.0300		mg/Kg-dry	1	6/3/2020 11:28:53 PM
Bromoform	ND	0.0600		mg/Kg-dry	1	6/3/2020 11:28:53 PM
1,1,2,2-Tetrachloroethane	ND	0.0240		mg/Kg-dry	1	6/3/2020 11:28:53 PM
n-Propylbenzene	ND	0.0300		mg/Kg-dry	1	6/3/2020 11:28:53 PM
Bromobenzene	ND	0.0240		mg/Kg-dry	1	6/3/2020 11:28:53 PM
1,3,5-Trimethylbenzene	ND	0.0300		mg/Kg-dry	1	6/3/2020 11:28:53 PM
2-Chlorotoluene	ND	0.0300		mg/Kg-dry	1	6/3/2020 11:28:53 PM
4-Chlorotoluene	ND	0.0300		mg/Kg-dry	1	6/3/2020 11:28:53 PM
tert-Butylbenzene	ND	0.0300		mg/Kg-dry	1	6/3/2020 11:28:53 PM
1,2,3-Trichloropropane	ND	0.0300		mg/Kg-dry	1	6/3/2020 11:28:53 PM
1,2,4-Trichlorobenzene	ND	0.0300		mg/Kg-dry	1	6/3/2020 11:28:53 PM
sec-Butylbenzene	ND	0.0600		mg/Kg-dry	1	6/3/2020 11:28:53 PM
4-Isopropyltoluene	ND	0.0600		mg/Kg-dry	1	6/3/2020 11:28:53 PM
1,3-Dichlorobenzene	ND	0.0240	*	mg/Kg-dry	1	6/3/2020 11:28:53 PM
1,4-Dichlorobenzene	ND	0.0240	*	mg/Kg-dry	1	6/3/2020 11:28:53 PM
n-Butylbenzene	ND	0.0300		mg/Kg-dry	1	6/3/2020 11:28:53 PM
1,2-Dichlorobenzene	ND	0.0240	*	mg/Kg-dry	1	6/3/2020 11:28:53 PM
1,2-Dibromo-3-chloropropane	ND	0.600		mg/Kg-dry	1	6/3/2020 11:28:53 PM
1,2,4-Trimethylbenzene	ND	0.0240		mg/Kg-dry	1	6/3/2020 11:28:53 PM
Hexachloro-1,3-butadiene	ND	0.0600		mg/Kg-dry	1	6/3/2020 11:28:53 PM
Naphthalene	ND	0.0600		mg/Kg-dry	1	6/3/2020 11:28:53 PM
1,2,3-Trichlorobenzene	ND	0.0240		mg/Kg-dry	1	6/3/2020 11:28:53 PM
Surr: Dibromofluoromethane	94.7	83.3 - 111		%Rec	1	6/3/2020 11:28:53 PM
Surr: Toluene-d8	92.7	87.9 - 111		%Rec	1	6/3/2020 11:28:53 PM
Surr: 1-Bromo-4-fluorobenzene	98.7	85.1 - 111		%Rec	1	6/3/2020 11:28:53 PM

NOTES:

* - Flagged value is not within established control limits.

Mercury by EPA Method 7471

Batch ID: 28516 Analyst: WF

Mercury	ND	0.237	mg/Kg-dry	1	6/3/2020 1:25:38 PM
---------	----	-------	-----------	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 1:30:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-013

Matrix: Soil

Client Sample ID: SB-EP-3-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B				Batch ID:	28534	Analyst:	CO
Arsenic	4.19	0.197		mg/Kg-dry	1	6/3/2020	5:49:31 PM
Barium	60.1	0.394		mg/Kg-dry	1	6/3/2020	5:49:31 PM
Cadmium	ND	0.157		mg/Kg-dry	1	6/3/2020	5:49:31 PM
Chromium	23.7	0.0787		mg/Kg-dry	1	6/3/2020	5:49:31 PM
Lead	2.54	0.157		mg/Kg-dry	1	6/3/2020	5:49:31 PM
Selenium	0.861	0.394		mg/Kg-dry	1	6/3/2020	5:49:31 PM
Silver	ND	0.0787		mg/Kg-dry	1	6/3/2020	5:49:31 PM

Sample Moisture (Percent Moisture)				Batch ID:	R59609	Analyst:	EH
Percent Moisture	2.29			wt%	1	6/5/2020	8:42:20 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 1:55:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-014

Matrix: Soil

Client Sample ID: SB-EP-3-6'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28534 Analyst: CO

Arsenic	2.88	0.207	mg/Kg-dry	1	6/3/2020 5:54:05 PM
Lead	1.53	0.166	mg/Kg-dry	1	6/3/2020 5:54:05 PM

Sample Moisture (Percent Moisture) Batch ID: R59609 Analyst: EH

Percent Moisture	4.85	0.500	wt%	1	6/5/2020 8:42:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 1:40:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-015

Matrix: Soil

Client Sample ID: SB-EP-3-6.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28534 Analyst: CO

Arsenic	3.56	0.197	mg/Kg-dry	1	6/3/2020 5:58:39 PM
Lead	2.32	0.157	mg/Kg-dry	1	6/3/2020 5:58:39 PM

Sample Moisture (Percent Moisture) Batch ID: R59609 Analyst: EH

Percent Moisture	4.40	0.500	wt%	1	6/5/2020 8:42:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 2:30:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-016

Matrix: Soil

Client Sample ID: SB-6-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28534 Analyst: CO

Arsenic	2.70	0.191	mg/Kg-dry	1	6/3/2020 6:03:14 PM
Lead	1.62	0.153	mg/Kg-dry	1	6/3/2020 6:03:14 PM

Sample Moisture (Percent Moisture) Batch ID: R59609 Analyst: EH

Percent Moisture	2.56	0.500	wt%	1	6/5/2020 8:42:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 2:40:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-017

Matrix: Soil

Client Sample ID: SB-7-1.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28534 Analyst: CO

Arsenic	3.79	0.209	mg/Kg-dry	1	6/3/2020 6:08:48 PM
Lead	2.25	0.167	mg/Kg-dry	1	6/3/2020 6:08:48 PM

Sample Moisture (Percent Moisture) Batch ID: R59609 Analyst: EH

Percent Moisture	5.73	0.500	wt%	1	6/5/2020 8:42:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 3:00:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-018

Matrix: Soil

Client Sample ID: SB-8-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organochlorine Pesticides by EPA Method 8081 Batch ID: 28547 Analyst: DW

Toxaphene	ND	0.100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
Alpha BHC	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
Beta BHC	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
Gamma BHC (Lindane)	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
Delta BHC	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
Heptachlor	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
Aldrin	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
Heptachlor epoxide	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
gamma-Chlordane	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
Endosulfan I	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
alpha-Chlordane	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
Dieldrin	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
4,4'-DDE	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
Endrin	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
Endosulfan II	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
4,4'-DDD	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
Endrin aldehyde	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
Endosulfan sulfate	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
4,4'-DDT	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
Endrin ketone	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
Methoxychlor	ND	0.0100	mg/Kg-dry	1	6/5/2020 2:15:00 PM
Surr: Decachlorobiphenyl	126	27 - 166	%Rec	1	6/5/2020 2:15:00 PM
Surr: Tetrachloro-m-xylene	81.8	28.1 - 171	%Rec	1	6/5/2020 2:15:00 PM

Hydrocarbon Identification by NWTPH-HCID Batch ID: 28524 Analyst: DW

Gasoline	ND	21.1	mg/Kg-dry	1	6/3/2020 7:01:11 PM
Mineral Spirits	ND	31.6	mg/Kg-dry	1	6/3/2020 7:01:11 PM
Kerosene	ND	52.6	mg/Kg-dry	1	6/3/2020 7:01:11 PM
Diesel (Fuel Oil)	ND	52.6	mg/Kg-dry	1	6/3/2020 7:01:11 PM
Heavy Oil	ND	105	mg/Kg-dry	1	6/3/2020 7:01:11 PM
Mineral Oil	ND	105	mg/Kg-dry	1	6/3/2020 7:01:11 PM
Surr: 2-Fluorobiphenyl	78.8	50 - 150	%Rec	1	6/3/2020 7:01:11 PM
Surr: o-Terphenyl	91.5	50 - 150	%Rec	1	6/3/2020 7:01:11 PM

Herbicides by EPA Method 8151A (Mod) Batch ID: 28601 Analyst: SB

Dicamba	ND	36.8	µg/Kg-dry	1	6/12/2020 5:23:59 PM
2,4-D	ND	31.5	µg/Kg-dry	1	6/12/2020 5:23:59 PM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 3:00:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-018

Matrix: Soil

Client Sample ID: SB-8-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Herbicides by EPA Method 8151A (Mod) Batch ID: 28601 Analyst: SB

2,4-DP	ND	26.3		µg/Kg-dry	1	6/12/2020 5:23:59 PM
2,4,5-TP (Silvex)	ND	21.0		µg/Kg-dry	1	6/12/2020 5:23:59 PM
2,4,5-T	ND	52.5		µg/Kg-dry	1	6/12/2020 5:23:59 PM
Dinoseb	ND	31.5		µg/Kg-dry	1	6/12/2020 5:23:59 PM
Dalapon	ND	210		µg/Kg-dry	1	6/12/2020 5:23:59 PM
2,4-DB	ND	26.3		µg/Kg-dry	1	6/12/2020 5:23:59 PM
MCPP	ND	4,620		µg/Kg-dry	1	6/12/2020 5:23:59 PM
MCPA	ND	2,940		µg/Kg-dry	1	6/12/2020 5:23:59 PM
Picloram	ND	52.5	Q	µg/Kg-dry	1	6/12/2020 5:23:59 PM
Bentazon	ND	36.8		µg/Kg-dry	1	6/12/2020 5:23:59 PM
Chloramben	ND	21.0		µg/Kg-dry	1	6/12/2020 5:23:59 PM
Acifluorfen	ND	84.0		µg/Kg-dry	1	6/12/2020 5:23:59 PM
3,5-Dichlorobenzoic acid	ND	42.0		µg/Kg-dry	1	6/12/2020 5:23:59 PM
4-Nitrophenol	ND	31.5		µg/Kg-dry	1	6/12/2020 5:23:59 PM
Dacthal (DCPA)	ND	31.5		µg/Kg-dry	1	6/12/2020 5:23:59 PM
Surr: 2,4-Dichlorophenylacetic acid	76.8	15.3 - 163		%Rec	1	6/12/2020 5:23:59 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Organophosphorus Pesticides by EPA Method 8270-SIM Batch ID: 28540 Analyst: SB

DDVP	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Mevinphos	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
TEPP	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Demeton, Total	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Ethoprophos	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Naled	ND	48.4	Q	µg/Kg-dry	1	6/10/2020 3:19:38 AM
Sulfotepp	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Monocrotophos	ND	48.4	Q	µg/Kg-dry	1	6/10/2020 3:19:38 AM
Phorate	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Dimethoate	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Diazinon	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Disulfoton	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Parathion, methyl	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Fenchlorphos	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Malathion	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Dursban	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Fenthion	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Parathion	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 3:00:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-018

Matrix: Soil

Client Sample ID: SB-8-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organophosphorus Pesticides by EPA Method 8270-SIM

Trichloronate	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Merphos	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Stirophos	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Prothiofos	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Fensulfothion	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Sulprofos	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
EPN	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Guthion	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Coumaphos	ND	48.4		µg/Kg-dry	1	6/10/2020 3:19:38 AM
Surr: Triphenylphosphate	90.4	10.7 - 154		%Rec	1	6/10/2020 3:19:38 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Semi-Volatile Organic Compounds by EPA Method 8270

Batch ID: 28538 Analyst: SB

Phenol	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Bis(2-chloroethyl) ether	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
2-Chlorophenol	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
1,3-Dichlorobenzene	ND	72.7		µg/Kg-dry	1	6/5/2020 8:56:56 AM
1,4-Dichlorobenzene	ND	72.7		µg/Kg-dry	1	6/5/2020 8:56:56 AM
1,2-Dichlorobenzene	ND	72.7		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Benzyl alcohol	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
2-Methylphenol (o-cresol)	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Hexachloroethane	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
N-Nitrosodi-n-propylamine	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
3&4-Methylphenol (m, p-cresol)	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Nitrobenzene	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Isophorone	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
2-Nitrophenol	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
2,4-Dimethylphenol	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Bis(2-chloroethoxy)methane	ND	72.7		µg/Kg-dry	1	6/5/2020 8:56:56 AM
2,4-Dichlorophenol	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
1,2,4-Trichlorobenzene	ND	72.7		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Naphthalene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
4-Chloroaniline	ND	72.7		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Hexachlorobutadiene	ND	72.7		µg/Kg-dry	1	6/5/2020 8:56:56 AM
4-Chloro-3-methylphenol	ND	194		µg/Kg-dry	1	6/5/2020 8:56:56 AM
2-Methylnaphthalene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
1-Methylnaphthalene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 3:00:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-018

Matrix: Soil

Client Sample ID: SB-8-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Semi-Volatile Organic Compounds by EPA Method 8270						
				Batch ID: 28538		Analyst: SB
Hexachlorocyclopentadiene	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
2,4,6-Trichlorophenol	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
2,4,5-Trichlorophenol	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
2-Chloronaphthalene	ND	72.7		µg/Kg-dry	1	6/5/2020 8:56:56 AM
2-Nitroaniline	ND	96.9	Q	µg/Kg-dry	1	6/5/2020 8:56:56 AM
Acenaphthene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Dimethylphthalate	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
2,6-Dinitrotoluene	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Acenaphthylene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
2,4-Dinitrophenol	ND	509		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Dibenzofuran	ND	72.7		µg/Kg-dry	1	6/5/2020 8:56:56 AM
2,4-Dinitrotoluene	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
4-Nitrophenol	ND	485		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Fluorene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
4-Chlorophenyl phenyl ether	ND	72.7		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Diethylphthalate	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
4,6-Dinitro-2-methylphenol	ND	194		µg/Kg-dry	1	6/5/2020 8:56:56 AM
4-Bromophenyl phenyl ether	ND	72.7		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Hexachlorobenzene	ND	72.7		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Pentachlorophenol	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Phenanthrene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Anthracene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Carbazole	ND	72.7		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Di-n-butylphthalate	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Fluoranthene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Pyrene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Butyl Benzylphthalate	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
bis(2-Ethylhexyl)adipate	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Benz(a)anthracene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Chrysene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
bis (2-Ethylhexyl) phthalate	ND	96.9		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Di-n-octyl phthalate	ND	96.9	Q	µg/Kg-dry	1	6/5/2020 8:56:56 AM
Benzo(b)fluoranthene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Benzo(k)fluoranthene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Benzo(a)pyrene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Indeno(1,2,3-cd)pyrene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Dibenz(a,h)anthracene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Benzo(g,h,i)perylene	ND	48.5		µg/Kg-dry	1	6/5/2020 8:56:56 AM
Surr: 2,4,6-Tribromophenol	62.5	5 - 139		%Rec	1	6/5/2020 8:56:56 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 3:00:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-018

Matrix: Soil

Client Sample ID: SB-8-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID:	28538	Analyst: SB
Surr: 2-Fluorobiphenyl	71.1	5 - 131	%Rec	1	6/5/2020 8:56:56 AM	
Surr: Nitrobenzene-d5	67.7	5 - 123	%Rec	1	6/5/2020 8:56:56 AM	
Surr: Phenol-d6	69.9	5 - 129	%Rec	1	6/5/2020 8:56:56 AM	
Surr: p-Terphenyl	75.2	13.8 - 140	%Rec	1	6/5/2020 8:56:56 AM	

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Volatile Organic Compounds by EPA Method 8260D				Batch ID:	28529	Analyst: KT
---	--	--	--	-----------	-------	-------------

Dichlorodifluoromethane (CFC-12)	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
Chloromethane	ND	0.0386	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
Vinyl chloride	ND	0.0193	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
Bromomethane	ND	0.0386	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
Trichlorofluoromethane (CFC-11)	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
Chloroethane	ND	0.0386	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
1,1-Dichloroethene	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
Methylene chloride	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
trans-1,2-Dichloroethene	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
Methyl tert-butyl ether (MTBE)	ND	0.0386	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
1,1-Dichloroethane	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
cis-1,2-Dichloroethene	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
Chloroform	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
1,1,1-Trichloroethane (TCA)	ND	0.0193	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
1,1-Dichloropropene	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
Carbon tetrachloride	ND	0.0386	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
1,2-Dichloroethane (EDC)	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
Benzene	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
Trichloroethene (TCE)	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
1,2-Dichloropropane	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
Bromodichloromethane	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
Dibromomethane	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
cis-1,3-Dichloropropene	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
Toluene	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
trans-1,3-Dichloropropylene	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
1,1,2-Trichloroethane	ND	0.0155	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
1,3-Dichloropropane	ND	0.0193	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
Tetrachloroethene (PCE)	ND	0.0193	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
Dibromochloromethane	ND	0.0193	mg/Kg-dry	1	6/3/2020 11:59:03 PM	
1,2-Dibromoethane (EDB)	ND	0.00386	mg/Kg-dry	1	6/3/2020 11:59:03 PM	



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 3:00:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-018

Matrix: Soil

Client Sample ID: SB-8-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 28529 Analyst: KT

Chlorobenzene	ND	0.0193		mg/Kg-dry	1	6/3/2020 11:59:03 PM
1,1,1,2-Tetrachloroethane	ND	0.0193		mg/Kg-dry	1	6/3/2020 11:59:03 PM
Ethylbenzene	ND	0.0193		mg/Kg-dry	1	6/3/2020 11:59:03 PM
m,p-Xylene	ND	0.0386		mg/Kg-dry	1	6/3/2020 11:59:03 PM
o-Xylene	ND	0.0193		mg/Kg-dry	1	6/3/2020 11:59:03 PM
Styrene	ND	0.0193		mg/Kg-dry	1	6/3/2020 11:59:03 PM
Isopropylbenzene	ND	0.0193		mg/Kg-dry	1	6/3/2020 11:59:03 PM
Bromoform	ND	0.0386		mg/Kg-dry	1	6/3/2020 11:59:03 PM
1,1,2,2-Tetrachloroethane	ND	0.0155		mg/Kg-dry	1	6/3/2020 11:59:03 PM
n-Propylbenzene	ND	0.0193		mg/Kg-dry	1	6/3/2020 11:59:03 PM
Bromobenzene	ND	0.0155		mg/Kg-dry	1	6/3/2020 11:59:03 PM
1,3,5-Trimethylbenzene	ND	0.0193		mg/Kg-dry	1	6/3/2020 11:59:03 PM
2-Chlorotoluene	ND	0.0193		mg/Kg-dry	1	6/3/2020 11:59:03 PM
4-Chlorotoluene	ND	0.0193		mg/Kg-dry	1	6/3/2020 11:59:03 PM
tert-Butylbenzene	ND	0.0193		mg/Kg-dry	1	6/3/2020 11:59:03 PM
1,2,3-Trichloropropane	ND	0.0193		mg/Kg-dry	1	6/3/2020 11:59:03 PM
1,2,4-Trichlorobenzene	ND	0.0193		mg/Kg-dry	1	6/3/2020 11:59:03 PM
sec-Butylbenzene	ND	0.0386		mg/Kg-dry	1	6/3/2020 11:59:03 PM
4-Isopropyltoluene	ND	0.0386		mg/Kg-dry	1	6/3/2020 11:59:03 PM
1,3-Dichlorobenzene	ND	0.0155	*	mg/Kg-dry	1	6/3/2020 11:59:03 PM
1,4-Dichlorobenzene	ND	0.0155	*	mg/Kg-dry	1	6/3/2020 11:59:03 PM
n-Butylbenzene	ND	0.0193		mg/Kg-dry	1	6/3/2020 11:59:03 PM
1,2-Dichlorobenzene	ND	0.0155	*	mg/Kg-dry	1	6/3/2020 11:59:03 PM
1,2-Dibromo-3-chloropropane	ND	0.386		mg/Kg-dry	1	6/3/2020 11:59:03 PM
1,2,4-Trimethylbenzene	ND	0.0155		mg/Kg-dry	1	6/3/2020 11:59:03 PM
Hexachloro-1,3-butadiene	ND	0.0386		mg/Kg-dry	1	6/3/2020 11:59:03 PM
Naphthalene	ND	0.0386		mg/Kg-dry	1	6/3/2020 11:59:03 PM
1,2,3-Trichlorobenzene	ND	0.0155		mg/Kg-dry	1	6/3/2020 11:59:03 PM
Surr: Dibromofluoromethane	95.5	83.3 - 111		%Rec	1	6/3/2020 11:59:03 PM
Surr: Toluene-d8	91.4	87.9 - 111		%Rec	1	6/3/2020 11:59:03 PM
Surr: 1-Bromo-4-fluorobenzene	96.4	85.1 - 111		%Rec	1	6/3/2020 11:59:03 PM

NOTES:

* - Flagged value is not within established control limits.

Mercury by EPA Method 7471

Batch ID: 28516 Analyst: WF

Mercury	ND	0.250	mg/Kg-dry	1	6/3/2020 1:27:15 PM
---------	----	-------	-----------	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 3:00:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-018

Matrix: Soil

Client Sample ID: SB-8-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B			Batch ID:	28552	Analyst:	CO
Arsenic	5.82	0.199	mg/Kg-dry	1	6/4/2020	2:57:11 PM
Barium	63.7	0.397	mg/Kg-dry	1	6/4/2020	2:57:11 PM
Cadmium	ND	0.159	mg/Kg-dry	1	6/4/2020	2:57:11 PM
Chromium	16.5	0.0795	mg/Kg-dry	1	6/4/2020	2:57:11 PM
Lead	5.90	0.159	mg/Kg-dry	1	6/4/2020	2:57:11 PM
Selenium	1.35	0.397	mg/Kg-dry	1	6/4/2020	2:57:11 PM
Silver	ND	0.0795	mg/Kg-dry	1	6/4/2020	2:57:11 PM

Sample Moisture (Percent Moisture)			Batch ID:	R59609	Analyst:	EH
Percent Moisture	7.49		wt%	1	6/5/2020	8:42:20 AM



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 3:10:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-019

Matrix: Soil

Client Sample ID: SB-8-3'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28552 Analyst: CO

Arsenic	3.97	0.186	mg/Kg-dry	1	6/4/2020 3:02:45 PM
Lead	2.47	0.148	mg/Kg-dry	1	6/4/2020 3:02:45 PM

Sample Moisture (Percent Moisture) Batch ID: R59609 Analyst: EH

Percent Moisture	2.38	0.500	wt%	1	6/5/2020 8:42:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 3:15:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-020

Matrix: Soil

Client Sample ID: SB-9-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28552 Analyst: CO

Arsenic	5.12	0.202	mg/Kg-dry	1	6/4/2020 3:08:19 PM
Lead	2.71	0.162	mg/Kg-dry	1	6/4/2020 3:08:19 PM

Sample Moisture (Percent Moisture) Batch ID: R59609 Analyst: EH

Percent Moisture	2.71	0.500	wt%	1	6/5/2020 8:42:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 3:25:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-021

Matrix: Soil

Client Sample ID: SB-10-1.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28552 Analyst: CO

Arsenic	3.70	0.200	mg/Kg-dry	1	6/4/2020 3:13:53 PM
Lead	2.06	0.160	mg/Kg-dry	1	6/4/2020 3:13:53 PM

Sample Moisture (Percent Moisture) Batch ID: R59609 Analyst: EH

Percent Moisture	2.18	0.500	wt%	1	6/5/2020 8:42:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 3:40:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-022

Matrix: Soil

Client Sample ID: SB-11-2'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28552 Analyst: CO

Arsenic	4.11	0.203	mg/Kg-dry	1	6/4/2020 3:19:27 PM
Lead	3.14	0.162	mg/Kg-dry	1	6/4/2020 3:19:27 PM

Sample Moisture (Percent Moisture) Batch ID: R59609 Analyst: EH

Percent Moisture	4.33	0.500	wt%	1	6/5/2020 8:42:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 3:55:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-023

Matrix: Soil

Client Sample ID: SB-12-2.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28552 Analyst: CO

Arsenic	4.11	0.211	mg/Kg-dry	1	6/4/2020 3:25:01 PM
Lead	2.99	0.169	mg/Kg-dry	1	6/4/2020 3:25:01 PM

Sample Moisture (Percent Moisture) Batch ID: R59609 Analyst: EH

Percent Moisture	5.96	0.500	wt%	1	6/5/2020 8:42:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2005395

Date Reported: 6/18/2020

Client: ATC Group Services, Inc.

Collection Date: 5/28/2020 4:10:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2005395-024

Matrix: Soil

Client Sample ID: SB-13-1.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28552 Analyst: CO

Arsenic	3.64	0.200	mg/Kg-dry	1	6/4/2020 3:41:45 PM
Lead	2.00	0.160	mg/Kg-dry	1	6/4/2020 3:41:45 PM

Sample Moisture (Percent Moisture) Batch ID: R59609 Analyst: EH

Percent Moisture	2.88	0.500	wt%	1	6/5/2020 8:42:20 AM
------------------	------	-------	-----	---	---------------------



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (Mod)

Sample ID: MBLK-28601	SampType: MBLK	Units: µg/Kg			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: MBLKS	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196966			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	ND	35.0									
2,4-D	ND	30.0									
2,4-DP	ND	25.0									
2,4,5-TP (Silvex)	ND	20.0									
2,4,5-T	ND	50.0									
Dinoseb	ND	30.0									
Dalapon	ND	200									
2,4-DB	ND	25.0									
MCPP	ND	4,400									
MCPA	ND	2,800									
Picloram	ND	50.0									Q
Bentazon	ND	35.0									
Chloramben	ND	20.0									
Acifluorfen	ND	80.0									
3,5-Dichlorobenzoic acid	ND	40.0									
4-Nitrophenol	ND	30.0									
Dacthal (DCPA)	ND	30.0									
Surr: 2,4-Dichlorophenylacetic acid	1,500		1,000		150	15.3	163				

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: LCS-28601	SampType: LCS	Units: µg/Kg			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: LCSS	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196967			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	185	35.0	200.0	0	92.7	21.2	167				
2,4-D	204	30.0	200.0	0	102	32	176				
2,4-DP	191	25.0	200.0	0	95.4	25.8	171				
2,4,5-TP (Silvex)	197	20.0	200.0	0	98.7	23.6	164				
2,4,5-T	200	50.0	200.0	0	99.8	25	166				
Dinoseb	27.9	30.0	200.0	0	13.9	5	168				



Date: 6/18/2020

Work Order: 2005395

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (Mod)

Sample ID: LCS-28601	SampType: LCS	Units: µg/Kg			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: LCSS	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196967			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dalapon	866	200	1,000	0	86.6	29.2	195				
2,4-DB	189	25.0	200.0	0	94.3	8.11	184				
MCPP	977	4,400	1,000	0	97.7	17.3	191				
MCPA	973	2,800	1,000	0	97.3	13.6	192				
Picloram	166	50.0	200.0	0	82.8	5	175				
Bentazon	198	35.0	200.0	0	99.2	21.5	170				
Chloramben	133	20.0	200.0	0	66.3	5	114				
Acifluorfen	94.3	80.0	200.0	0	47.1	5	168				
3,5-Dichlorobenzoic acid	190	40.0	200.0	0	94.9	26.2	174				
4-Nitrophenol	145	30.0	200.0	0	72.6	5.02	160				
Dacthal (DCPA)	211	30.0	200.0	0	105	18	168				
Surr: 2,4-Dichlorophenylacetic acid	1,020		1,000		102	15.3	163				

Sample ID: 2006001-018BMS	SampType: MS	Units: µg/Kg-dry			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: BATCH	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196982			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	158	35.7	204.0	0	77.4	5	136				
2,4-D	177	30.6	204.0	0	86.8	5	151				
2,4-DP	174	25.5	204.0	0	85.2	5	149				
2,4,5-TP (Silvex)	186	20.4	204.0	0	91.4	5.43	140				
2,4,5-T	173	51.0	204.0	0	84.9	6.68	133				
Dinoseb	87.8	30.6	204.0	0	43.0	5	141				
Dalapon	766	204	1,020	0	75.1	5	179				
2,4-DB	215	25.5	204.0	0	106	5.57	160				
MCPP	893	452	1,020	0	87.5	5	174				
MCPA	865	291	1,020	0	84.8	5	154				
Picloram	109	51.0	204.0	0	53.6	5	139				
Bentazon	201	35.7	204.0	0	98.3	5.31	146				
Chloramben	139	20.4	204.0	0	68.1	5	134				



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (Mod)

Sample ID: 2006001-018BMS	SampType: MS	Units: µg/Kg-dry			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: BATCH	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196982			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acifluorfen	106	81.6	204.0	0	52.1	5	168				
3,5-Dichlorobenzoic acid	177	40.8	204.0	0	86.9	6.99	144				
4-Nitrophenol	160	30.6	204.0	0	78.5	10.2	139				
Dacthal (DCPA)	58.1	30.6	204.0	0	28.5	5	156				
Surr: 2,4-Dichlorophenylacetic acid	999		1,020		97.9	15.3	163				

Sample ID: 2006001-018BMSD	SampType: MSD	Units: µg/Kg-dry			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: BATCH	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196983			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	128	33.4	190.8	0	67.2	5	136	158.0	20.8	30	
2,4-D	140	28.6	190.8	0	73.2	5	151	177.1	23.7	30	
2,4-DP	137	23.8	190.8	0	71.6	5	149	173.9	24.1	30	
2,4,5-TP (Silvex)	141	19.1	190.8	0	74.0	5.43	140	186.4	27.6	30	
2,4,5-T	129	47.7	190.8	0	67.4	6.68	133	173.3	29.6	30	
Dinoseb	81.0	28.6	190.8	0	42.4	5	141	87.81	8.11	30	
Dalapon	626	191	953.9	0	65.6	5	179	765.9	20.1	30	
2,4-DB	154	23.8	190.8	0	80.7	5.57	160	215.4	33.2	30	R
MCPP	721	422	953.9	0	75.6	5	174	892.9	21.3	30	
MCPA	691	272	953.9	0	72.5	5	154	865.5	22.4	30	
Picloram	77.8	47.7	190.8	0	40.8	5	139	109.3	33.6	30	R
Bentazon	154	33.4	190.8	0	80.6	5.31	146	200.5	26.4	30	
Chloramben	111	19.1	190.8	0	58.4	5	134	138.9	21.9	30	
Acifluorfen	94.0	76.3	190.8	0	49.3	5	168	106.3	12.3	30	
3,5-Dichlorobenzoic acid	143	38.2	190.8	0	74.8	6.99	144	177.4	21.7	30	
4-Nitrophenol	133	28.6	190.8	0	69.9	10.2	139	160.1	18.2	30	
Dacthal (DCPA)	51.6	28.6	190.8	0	27.1	5	156	58.14	11.9	30	
Surr: 2,4-Dichlorophenylacetic acid	797		953.9		83.6	15.3	163		0		

NOTES:

R - High RPD observed, spike recovery is within range.



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Hydrocarbon Identification by NWTPH-HCID

Sample ID: MBLK-28524	SampType: MBLK	Units: mg/Kg		Prep Date: 6/3/2020		RunNo: 59562					
Client ID: MBLKS	Batch ID: 28524			Analysis Date: 6/3/2020		SeqNo: 1191100					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	20.0									
Mineral Spirits	ND	30.0									
Kerosene	ND	50.0									
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Mineral Oil	ND	100									
Surr: 2-Fluorobiphenyl	13.7		20.00		68.6	50	150				
Surr: o-Terphenyl	15.6		20.00		77.9	50	150				

Sample ID: LCS-28524	SampType: LCS	Units: mg/Kg		Prep Date: 6/3/2020		RunNo: 59562					
Client ID: LCSS	Batch ID: 28524			Analysis Date: 6/3/2020		SeqNo: 1191101					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	454	50.0	500.0	0	90.7	65	135				
Surr: 2-Fluorobiphenyl	16.4		20.00		82.2	50	150				
Surr: o-Terphenyl	16.4		20.00		82.1	50	150				



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Mercury by EPA Method 7471

Sample ID: MBLK-28516	SampType: MBLK	Units: mg/Kg			Prep Date: 6/2/2020			RunNo: 59549			
Client ID: MBLKS	Batch ID: 28516				Analysis Date: 6/3/2020			SeqNo: 1190963			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.250									
Sample ID: LCS-28516	SampType: LCS	Units: mg/Kg			Prep Date: 6/2/2020			RunNo: 59549			
Client ID: LCSS	Batch ID: 28516				Analysis Date: 6/3/2020			SeqNo: 1190964			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.500	0.250	0.5000	0	100	80	120				
Sample ID: 2005384-001ADUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 6/2/2020			RunNo: 59549			
Client ID: BATCH	Batch ID: 28516				Analysis Date: 6/3/2020			SeqNo: 1190925			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.132							0		20
Sample ID: 2005384-001AMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 6/2/2020			RunNo: 59549			
Client ID: BATCH	Batch ID: 28516				Analysis Date: 6/3/2020			SeqNo: 1190926			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.297	0.131	0.2623	0.03709	99.1	70	130				
Sample ID: 2005384-001AMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 6/2/2020			RunNo: 59549			
Client ID: BATCH	Batch ID: 28516				Analysis Date: 6/3/2020			SeqNo: 1190927			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.294	0.139	0.2780	0.03709	92.3	70	130	0.2969	1.15		20



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Organochlorine Pesticides by EPA Method 8081

Sample ID: MBLK-28547	SampType: MBLK	Units: mg/Kg		Prep Date: 6/4/2020		RunNo: 59631					
Client ID: MBLKS	Batch ID: 28547			Analysis Date: 6/5/2020		SeqNo: 1192831					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toxaphene	ND	0.100									
Alpha BHC	ND	0.0100									
Beta BHC	ND	0.0100									
Gamma BHC (Lindane)	ND	0.0100									
Delta BHC	ND	0.0100									
Heptachlor	ND	0.0100									
Aldrin	ND	0.0100									
Heptachlor epoxide	ND	0.0100									
gamma-Chlordane	ND	0.0100									
Endosulfan I	ND	0.0100									
alpha-Chlordane	ND	0.0100									
Dieldrin	ND	0.0100									
4,4'-DDE	ND	0.0100									
Endrin	ND	0.0100									
Endosulfan II	ND	0.0100									
4,4'-DDD	ND	0.0100									
Endrin aldehyde	ND	0.0100									
Endosulfan sulfate	ND	0.0100									
4,4'-DDT	ND	0.0100									
Endrin ketone	ND	0.0100									
Methoxychlor	ND	0.0100									
Surr: Decachlorobiphenyl	0.0483		0.05000		96.7	27	166				
Surr: Tetrachloro-m-xylene	0.0428		0.05000		85.7	28.1	171				

Sample ID: LCS1-28547	SampType: LCS	Units: mg/Kg		Prep Date: 6/4/2020		RunNo: 59631					
Client ID: LCSS	Batch ID: 28547			Analysis Date: 6/5/2020		SeqNo: 1192832					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alpha BHC	0.182	0.0100	0.2000	0	90.8	70.8	143				
Beta BHC	0.193	0.0100	0.2000	0	96.3	70.5	143				



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Organochlorine Pesticides by EPA Method 8081

Sample ID: LCS1-28547	SampType: LCS	Units: mg/Kg			Prep Date: 6/4/2020			RunNo: 59631			
Client ID: LCSS	Batch ID: 28547				Analysis Date: 6/5/2020			SeqNo: 1192832			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gamma BHC (Lindane)	0.186	0.0100	0.2000	0	92.9	70.8	144				
Delta BHC	0.192	0.0100	0.2000	0	96.2	67.8	143				
Heptachlor	0.197	0.0100	0.2000	0	98.5	70.7	151				
Aldrin	0.188	0.0100	0.2000	0	94.1	68.5	149				
Heptachlor epoxide	0.195	0.0100	0.2000	0	97.6	67.8	152				
gamma-Chlordane	0.198	0.0100	0.2000	0	98.8	63.8	150				
Endosulfan I	0.196	0.0100	0.2000	0	97.9	73.3	151				
alpha-Chlordane	0.197	0.0100	0.2000	0	98.6	63.5	150				
Dieldrin	0.200	0.0100	0.2000	0	100	72.8	149				
4,4'-DDE	0.204	0.0100	0.2000	0	102	71.1	146				
Endrin	0.208	0.0100	0.2000	0	104	62.7	158				
Endosulfan II	0.206	0.0100	0.2000	0	103	53.5	154				
4,4'-DDD	0.197	0.0100	0.2000	0	98.4	66.3	154				
Endrin aldehyde	0.212	0.0100	0.2000	0	106	43.8	133				
Endosulfan sulfate	0.210	0.0100	0.2000	0	105	59.5	149				
4,4'-DDT	0.262	0.0100	0.2000	0	131	70.5	149				
Endrin ketone	0.217	0.0100	0.2000	0	109	58	157				
Methoxychlor	0.255	0.0100	0.2000	0	128	52	159				
Surr: Decachlorobiphenyl	0.0505		0.05000		101	27	166				
Surr: Tetrachloro-m-xylene	0.0445		0.05000		89.1	28.1	171				

Sample ID: LCS2-28547	SampType: LCS	Units: mg/Kg			Prep Date: 6/4/2020			RunNo: 59631			
Client ID: LCSS	Batch ID: 28547				Analysis Date: 6/5/2020			SeqNo: 1192833			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toxaphene	1.10	0.100	1.000	0	110	57.3	134				
Surr: Decachlorobiphenyl	0.0487		0.05000		97.4	27	166				
Surr: Tetrachloro-m-xylene	0.0420		0.05000		84.0	28.1	171				



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Organochlorine Pesticides by EPA Method 8081

Sample ID:	2006001-002BDUP	SampType:	DUP	Units:	mg/Kg-dry	Prep Date:	6/4/2020	RunNo:	59631		
Client ID:	BATCH	Batch ID:	28547			Analysis Date:	6/5/2020	SeqNo:	1192841		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toxaphene	ND	0.0918						0		30	
Alpha BHC	ND	0.00918						0		30	
Beta BHC	ND	0.00918						0		30	
Gamma BHC (Lindane)	ND	0.00918						0		30	
Delta BHC	ND	0.00918						0		30	
Heptachlor	ND	0.00918						0		30	
Aldrin	ND	0.00918						0		30	
Heptachlor epoxide	ND	0.00918						0		30	
gamma-Chlordane	ND	0.00918						0		30	
Endosulfan I	ND	0.00918						0		30	
alpha-Chlordane	ND	0.00918						0		30	
Dieldrin	ND	0.00918						0		30	
4,4'-DDE	ND	0.00918						0		30	
Endrin	ND	0.00918						0		30	
Endosulfan II	ND	0.00918						0		30	
4,4'-DDD	ND	0.00918						0		30	
Endrin aldehyde	ND	0.00918						0		30	
Endosulfan sulfate	ND	0.00918						0		30	
4,4'-DDT	ND	0.00918						0		30	
Endrin ketone	ND	0.00918						0		30	
Methoxychlor	ND	0.00918						0		30	
Surr: Decachlorobiphenyl	0.0383		0.04591		83.5	27	166		0		
Surr: Tetrachloro-m-xylene	0.0357		0.04591		77.7	28.1	171		0		

Sample ID:	2006001-002BMS	SampType:	MS	Units:	mg/Kg-dry	Prep Date:	6/4/2020	RunNo:	59631		
Client ID:	BATCH	Batch ID:	28547			Analysis Date:	6/5/2020	SeqNo:	1192842		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alpha BHC	0.200	0.0101	0.2010	0	99.5	76.1	143				
Beta BHC	0.208	0.0101	0.2010	0	104	70.1	143				



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Organochlorine Pesticides by EPA Method 8081

Sample ID: 2006001-002BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 6/4/2020			RunNo: 59631			
Client ID: BATCH	Batch ID: 28547				Analysis Date: 6/5/2020			SeqNo: 1192842			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gamma BHC (Lindane)	0.204	0.0101	0.2010	0	102	76.1	145				
Delta BHC	0.209	0.0101	0.2010	0	104	61.1	142				
Heptachlor	0.217	0.0101	0.2010	0	108	76.3	157				
Aldrin	0.204	0.0101	0.2010	0	102	73.9	152				
Heptachlor epoxide	0.210	0.0101	0.2010	0	104	75.1	154				
gamma-Chlordane	0.205	0.0101	0.2010	0	102	69.4	152				
Endosulfan I	0.209	0.0101	0.2010	0	104	75.3	153				
alpha-Chlordane	0.207	0.0101	0.2010	0	103	68.7	155				
Dieldrin	0.210	0.0101	0.2010	0	104	74	152				
4,4'-DDE	0.214	0.0101	0.2010	0	107	70.7	152				
Endrin	0.221	0.0101	0.2010	0	110	80.4	152				
Endosulfan II	0.212	0.0101	0.2010	0	106	67.2	144				
4,4'-DDD	0.211	0.0101	0.2010	0	105	71.1	155				
Endrin aldehyde	0.215	0.0101	0.2010	0	107	22.5	147				
Endosulfan sulfate	0.213	0.0101	0.2010	0	106	49.5	145				
4,4'-DDT	0.253	0.0101	0.2010	0	126	61.5	169				
Endrin ketone	0.216	0.0101	0.2010	0	108	67.1	144				
Methoxychlor	0.256	0.0101	0.2010	0	127	58	170				
Surr: Decachlorobiphenyl	0.0446		0.05026		88.8	27	166				
Surr: Tetrachloro-m-xylene	0.0428		0.05026		85.1	28.1	171				

Sample ID: 2006001-002BMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 6/4/2020			RunNo: 59631			
Client ID: BATCH	Batch ID: 28547				Analysis Date: 6/5/2020			SeqNo: 1192843			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alpha BHC	0.197	0.00911	0.1822	0	108	76.1	143	0.2000	1.62	30	
Beta BHC	0.211	0.00911	0.1822	0	116	70.1	143	0.2084	1.44	30	
Gamma BHC (Lindane)	0.203	0.00911	0.1822	0	112	76.1	145	0.2041	0.374	30	
Delta BHC	0.212	0.00911	0.1822	0	116	61.1	142	0.2088	1.42	30	
Heptachlor	0.215	0.00911	0.1822	0	118	76.3	157	0.2171	0.971	30	



Date: 6/18/2020

Work Order: 2005395

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT**Organochlorine Pesticides by EPA Method 8081**

Sample ID: 2006001-002BMSD		SampType: MSD		Units: mg/Kg-dry		Prep Date: 6/4/2020		RunNo: 59631			
Client ID: BATCH	Batch ID: 28547								Analysis Date: 6/5/2020	SeqNo: 1192843	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	0.203	0.00911	0.1822	0	112	73.9	152	0.2043	0.518	30	
Heptachlor epoxide	0.212	0.00911	0.1822	0	117	75.1	154	0.2097	1.24	30	
gamma-Chlordane	0.209	0.00911	0.1822	0	115	69.4	152	0.2052	1.69	30	
Endosulfan I	0.212	0.00911	0.1822	0	116	75.3	153	0.2085	1.63	30	
alpha-Chlordane	0.212	0.00911	0.1822	0	116	68.7	155	0.2069	2.24	30	
Dieldrin	0.215	0.00911	0.1822	0	118	74	152	0.2100	2.54	30	
4,4'-DDE	0.222	0.00911	0.1822	0	122	70.7	152	0.2143	3.37	30	
Endrin	0.226	0.00911	0.1822	0	124	80.4	152	0.2205	2.61	30	
Endosulfan II	0.221	0.00911	0.1822	0	121	67.2	144	0.2123	3.91	30	
4,4'-DDD	0.222	0.00911	0.1822	0	122	71.1	155	0.2115	4.87	30	
Endrin aldehyde	0.223	0.00911	0.1822	0	122	22.5	147	0.2152	3.46	30	
Endosulfan sulfate	0.224	0.00911	0.1822	0	123	49.5	145	0.2132	4.75	30	
4,4'-DDT	0.261	0.00911	0.1822	0	143	61.5	169	0.2528	3.26	30	
Endrin ketone	0.227	0.00911	0.1822	0	124	67.1	144	0.2164	4.56	30	
Methoxychlor	0.263	0.00911	0.1822	0	144	58	170	0.2560	2.51	30	
Surr: Decachlorobiphenyl	0.0478		0.04555		105	27	166		0		
Surr: Tetrachloro-m-xylene	0.0411		0.04555		90.2	28.1	171		0		



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: MBLK-28538	SampType: MBLK	Units: µg/Kg			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: MBLKS	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192611			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	100									
Bis(2-chloroethyl) ether	ND	100									
2-Chlorophenol	ND	100									
1,3-Dichlorobenzene	ND	75.0									
1,4-Dichlorobenzene	ND	75.0									
1,2-Dichlorobenzene	ND	75.0									
Benzyl alcohol	ND	100									
2-Methylphenol (o-cresol)	ND	100									
Hexachloroethane	ND	100									
N-Nitrosodi-n-propylamine	ND	100									
3&4-Methylphenol (m, p-cresol)	ND	100									
Nitrobenzene	ND	100									
Isophorone	ND	100									
2-Nitrophenol	ND	100									
2,4-Dimethylphenol	ND	100									
Bis(2-chloroethoxy)methane	ND	75.0									
2,4-Dichlorophenol	ND	100									
1,2,4-Trichlorobenzene	ND	75.0									
Naphthalene	ND	50.0									
4-Chloroaniline	ND	75.0									
Hexachlorobutadiene	ND	75.0									
4-Chloro-3-methylphenol	ND	200									
2-Methylnaphthalene	ND	50.0									
1-Methylnaphthalene	ND	50.0									
Hexachlorocyclopentadiene	ND	100									
2,4,6-Trichlorophenol	ND	100									
2,4,5-Trichlorophenol	ND	100									
2-Chloronaphthalene	ND	75.0									
2-Nitroaniline	ND	100									
Acenaphthene	ND	50.0									
Dimethylphthalate	ND	100									

Q

75 of 119



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: MBLK-28538	SampType: MBLK	Units: µg/Kg		Prep Date: 6/3/2020		RunNo: 59620					
Client ID: MBLKS	Batch ID: 28538			Analysis Date: 6/5/2020		SeqNo: 1192611					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,6-Dinitrotoluene	ND	100									
Acenaphthylene	ND	50.0									
2,4-Dinitrophenol	ND	525									
Dibenzofuran	ND	75.0									
2,4-Dinitrotoluene	ND	100									
4-Nitrophenol	ND	500									
Fluorene	ND	50.0									
4-Chlorophenyl phenyl ether	ND	75.0									
Diethylphthalate	ND	100									
4,6-Dinitro-2-methylphenol	ND	200									
4-Bromophenyl phenyl ether	ND	75.0									
Hexachlorobenzene	ND	75.0									
Pentachlorophenol	ND	100									
Phenanthrene	ND	50.0									
Anthracene	ND	50.0									
Carbazole	ND	75.0									
Di-n-butylphthalate	ND	100									
Fluoranthene	ND	50.0									
Pyrene	ND	50.0									
Butyl Benzylphthalate	ND	100									
bis(2-Ethylhexyl)adipate	ND	100									
Benz(a)anthracene	ND	50.0									
Chrysene	ND	50.0									
bis (2-Ethylhexyl) phthalate	ND	100									
Di-n-octyl phthalate	ND	100									Q
Benzo(b)fluoranthene	ND	50.0									
Benzo(k)fluoranthene	ND	50.0									
Benzo(a)pyrene	ND	50.0									
Indeno(1,2,3-cd)pyrene	ND	50.0									
Dibenz(a,h)anthracene	ND	50.0									
Benzo(g,h,i)perylene	ND	50.0									



Date: 6/18/2020

Work Order: 2005395

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: MBLK-28538	SampType: MBLK	Units: µg/Kg			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: MBLKS	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192611			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	524		1,000		52.4	5	139				
Surr: 2-Fluorobiphenyl	458		500.0		91.5	5	131				
Surr: Nitrobenzene-d5	259		500.0		51.8	5	123				
Surr: Phenol-d6	855		1,000		85.5	5	129				
Surr: p-Terphenyl	540		500.0		108	13.8	140				

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: LCS-28538	SampType: LCS	Units: µg/Kg			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: LCSS	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192612			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	1,120	100	1,000	0	112	36	137				
Bis(2-chloroethyl) ether	918	100	1,000	0	91.8	39	132				
2-Chlorophenol	1,000	100	1,000	0	100	44.1	138				
1,3-Dichlorobenzene	748	75.0	1,000	0	74.8	43.9	123				
1,4-Dichlorobenzene	736	75.0	1,000	0	73.6	48	120				
1,2-Dichlorobenzene	829	75.0	1,000	0	82.9	44.9	124				
Benzyl alcohol	1,090	100	1,000	0	109	5	190				
2-Methylphenol (o-cresol)	1,100	100	1,000	0	110	39.8	136				
Hexachloroethane	788	100	1,000	0	78.8	37.2	129				
N-Nitrosodi-n-propylamine	1,110	100	1,000	0	111	37.6	146				
3&4-Methylphenol (m, p-cresol)	1,160	100	1,000	0	116	45.4	133				
Nitrobenzene	989	100	1,000	0	98.9	36.4	135				
Isophorone	1,080	100	1,000	0	108	42.2	138				
2-Nitrophenol	1,030	100	1,000	0	103	57.6	133				
2,4-Dimethylphenol	1,140	100	1,000	0	114	45.5	129				
Bis(2-chloroethoxy)methane	1,100	75.0	1,000	0	110	44.7	135				
2,4-Dichlorophenol	1,080	100	1,000	0	108	50.2	140				
1,2,4-Trichlorobenzene	1,050	75.0	1,000	0	105	47.6	136				
Naphthalene	1,030	50.0	1,000	0	103	48	138				



Date: 6/18/2020

Work Order: 2005395

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: LCS-28538	SampType: LCS	Units: µg/Kg			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: LCSS	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192612			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloroaniline	1,020	75.0	1,000	0	102	48.5	127				
Hexachlorobutadiene	951	75.0	1,000	0	95.1	44.6	137				
4-Chloro-3-methylphenol	1,120	200	1,000	0	112	44.1	149				
2-Methylnaphthalene	1,050	50.0	1,000	0	105	50.1	137				
1-Methylnaphthalene	1,080	50.0	1,000	0	108	53.8	129				
Hexachlorocyclopentadiene	1,120	100	1,000	0	112	6.89	161				
2,4,6-Trichlorophenol	940	100	1,000	0	94.0	48.1	137				
2,4,5-Trichlorophenol	1,050	100	1,000	0	105	45.8	146				
2-Chloronaphthalene	1,170	75.0	1,000	0	117	49.7	140				
2-Nitroaniline	1,070	100	1,000	0	107	46.3	141				
Acenaphthene	1,110	50.0	1,000	0	111	51.1	139				
Dimethylphthalate	1,150	100	1,000	0	115	56	129				
2,6-Dinitrotoluene	1,070	100	1,000	0	107	61	137				
Acenaphthylene	1,120	50.0	1,000	0	112	49.6	134				
2,4-Dinitrophenol	632	525	2,000	0	31.6	5	80.3				
Dibenzofuran	1,120	75.0	1,000	0	112	50.4	141				
2,4-Dinitrotoluene	1,200	100	1,000	0	120	61.8	134				
4-Nitrophenol	1,250	500	1,000	0	125	23	137				
Fluorene	1,160	50.0	1,000	0	116	49.6	142				
4-Chlorophenyl phenyl ether	1,100	75.0	1,000	0	110	52.5	137				
Diethylphthalate	1,150	100	1,000	0	115	57.7	135				
4,6-Dinitro-2-methylphenol	662	200	1,000	0	66.2	5	103				
4-Bromophenyl phenyl ether	1,080	75.0	1,000	0	108	48.2	141				
Hexachlorobenzene	1,160	75.0	1,000	0	116	54.1	136				
Pentachlorophenol	328	100	1,000	0	32.8	5	140				
Phenanthrene	1,200	50.0	1,000	0	120	51.5	135				
Anthracene	1,210	50.0	1,000	0	121	46.6	137				
Carbazole	1,210	75.0	1,000	0	121	48.2	136				
Di-n-butylphthalate	1,120	100	1,000	0	112	58.6	131				
Fluoranthene	1,250	50.0	1,000	0	125	48.7	133				
Pyrene	1,200	50.0	1,000	0	120	48.8	134				



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: LCS-28538	SampType: LCS	Units: µg/Kg			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: LCSS	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192612			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Butyl Benzylphthalate	1,130	100	1,000	0	113	49.4	147				
bis(2-Ethylhexyl)adipate	1,070	100	1,000	0	107	45.5	151				
Benz(a)anthracene	1,150	50.0	1,000	0	115	55.6	134				
Chrysene	1,230	50.0	1,000	0	123	47.4	144				
bis (2-Ethylhexyl) phthalate	1,080	100	1,000	0	108	49.4	152				
Di-n-octyl phthalate	997	100	1,000	0	99.7	45.5	148				
Benzo(b)fluoranthene	1,120	50.0	1,000	0	112	44.7	150				
Benzo(k)fluoranthene	1,200	50.0	1,000	0	120	44.3	143				
Benzo(a)pyrene	1,170	50.0	1,000	0	117	60.5	136				
Indeno(1,2,3-cd)pyrene	1,210	50.0	1,000	0	121	49.5	141				
Dibenz(a,h)anthracene	1,290	50.0	1,000	0	129	48.7	138				
Benzo(g,h,i)perylene	1,210	50.0	1,000	0	121	51.4	137				
Surr: 2,4,6-Tribromophenol	837		1,000		83.7	5	139				
Surr: 2-Fluorobiphenyl	475		500.0		95.0	5	131				
Surr: Nitrobenzene-d5	436		500.0		87.1	5	123				
Surr: Phenol-d6	926		1,000		92.6	5	129				
Surr: p-Terphenyl	537		500.0		107	13.8	140				

Sample ID: 2005395-007AMS	SampType: MS	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: SB-EP-1-2'	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192616			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	936	110	1,095	0	85.5	27	113				
Bis(2-chloroethyl) ether	859	110	1,095	0	78.4	19.7	113				
2-Chlorophenol	948	110	1,095	0	86.6	24.7	118				
1,3-Dichlorobenzene	768	82.2	1,095	0	70.1	20.6	99.9				
1,4-Dichlorobenzene	752	82.2	1,095	0	68.6	22.6	101				
1,2-Dichlorobenzene	807	82.2	1,095	0	73.6	26.2	103				
Benzyl alcohol	956	110	1,095	0	87.3	5	169				
2-Methylphenol (o-cresol)	1,000	110	1,095	0	91.7	23.3	122				



Date: 6/18/2020

Work Order: 2005395

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 2005395-007AMS	SampType: MS	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: SB-EP-1-2'	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192616			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	753	110	1,095	0	68.8	16.9	100				
N-Nitrosodi-n-propylamine	990	110	1,095	0	90.4	25.6	131				
3&4-Methylphenol (m, p-cresol)	963	110	1,095	0	87.9	27.9	118				
Nitrobenzene	957	110	1,095	0	87.3	23	121				
Isophorone	924	110	1,095	0	84.4	26.8	128				
2-Nitrophenol	975	110	1,095	0	89.0	34.6	130				
2,4-Dimethylphenol	956	110	1,095	0	87.3	13.4	129				
Bis(2-chloroethoxy)methane	1,010	82.2	1,095	0	92.6	30.3	119				
2,4-Dichlorophenol	978	110	1,095	0	89.3	27	133				
1,2,4-Trichlorobenzene	974	82.2	1,095	0	88.9	32.1	120				
Naphthalene	936	54.8	1,095	0	85.4	24.7	126				
4-Chloroaniline	643	82.2	1,095	0	58.7	10.9	114				
Hexachlorobutadiene	876	82.2	1,095	0	80.0	32.4	113				
4-Chloro-3-methylphenol	956	219	1,095	0	87.2	28.7	135				
2-Methylnaphthalene	962	54.8	1,095	0	87.9	31.1	125				
1-Methylnaphthalene	944	54.8	1,095	0	86.1	29.6	125				
Hexachlorocyclopentadiene	945	110	1,095	0	86.3	5	117				
2,4,6-Trichlorophenol	906	110	1,095	0	82.7	31	125				
2,4,5-Trichlorophenol	1,040	110	1,095	0	94.7	28.7	130				
2-Chloronaphthalene	1,030	82.2	1,095	0	94.3	37.2	121				
2-Nitroaniline	880	110	1,095	0	80.3	19.5	145				
Acenaphthene	1,000	54.8	1,095	0	91.5	34.2	128				
Dimethylphthalate	1,010	110	1,095	0	92.6	25.5	125				
2,6-Dinitrotoluene	986	110	1,095	0	90.0	41.4	127				
Acenaphthylene	997	54.8	1,095	0	91.0	34.5	121				
2,4-Dinitrophenol	1,490	575	2,191	0	68.2	5	74.3				
Dibenzofuran	1,010	82.2	1,095	0	92.3	30.8	128				
2,4-Dinitrotoluene	977	110	1,095	0	89.2	35.8	132				
4-Nitrophenol	821	548	1,095	0	74.9	5	152				
Fluorene	1,040	54.8	1,095	0	95.4	34.4	127				
4-Chlorophenyl phenyl ether	966	82.2	1,095	0	88.2	37.4	121				



Date: 6/18/2020

Work Order: 2005395

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 2005395-007AMS	SampType: MS	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: SB-EP-1-2'	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192616			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diethylphthalate	1,000	110	1,095	0	91.4	36	131				
4,6-Dinitro-2-methylphenol	1,070	219	1,095	0	97.6	5	109				
4-Bromophenyl phenyl ether	982	82.2	1,095	0	89.6	36.7	121				
Hexachlorobenzene	986	82.2	1,095	0	90.0	34.4	127				
Pentachlorophenol	950	110	1,095	0	86.7	5	149				
Phenanthrene	1,010	54.8	1,095	0	92.5	30.6	128				
Anthracene	978	54.8	1,095	0	89.3	30.5	124				
Carbazole	1,030	82.2	1,095	0	93.8	28.8	128				
Di-n-butylphthalate	977	110	1,095	0	89.1	36.1	132				
Fluoranthene	1,040	54.8	1,095	0	94.7	30.9	125				
Pyrene	1,040	54.8	1,095	0	94.9	31	125				
Butyl Benzylphthalate	943	110	1,095	0	86.1	35.1	138				
bis(2-Ethylhexyl)adipate	885	110	1,095	0	80.8	36.5	136				
Benz(a)anthracene	969	54.8	1,095	0	88.5	18.4	142				
Chrysene	1,080	54.8	1,095	0	98.8	27.4	134				
bis (2-Ethylhexyl) phthalate	999	110	1,095	0	91.2	38.6	144				
Di-n-octyl phthalate	993	110	1,095	0	90.6	37.1	145				
Benzo(b)fluoranthene	1,130	54.8	1,095	0	103	33.5	134				
Benzo(k)fluoranthene	1,180	54.8	1,095	0	107	14	133				
Benzo(a)pyrene	1,020	54.8	1,095	0	93.0	28.9	142				
Indeno(1,2,3-cd)pyrene	1,020	54.8	1,095	0	93.3	25.6	130				
Dibenz(a,h)anthracene	1,060	54.8	1,095	0	96.8	27.9	126				
Benzo(g,h,i)perylene	1,020	54.8	1,095	0	93.0	23.9	125				
Surr: 2,4,6-Tribromophenol	796		1,095		72.7	5	139				
Surr: 2-Fluorobiphenyl	432		547.7		78.8	5	131				
Surr: Nitrobenzene-d5	393		547.7		71.7	5	123				
Surr: Phenol-d6	780		1,095		71.2	5	129				
Surr: p-Terphenyl	441		547.7		80.5	13.8	140				



Date: 6/18/2020

Work Order: 2005395

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 2005395-007AMSD	SampType: MSD	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: SB-EP-1-2'	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192617			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	889	113	1,126	0	79.0	27	113	936.5	5.19	50	
Bis(2-chloroethyl) ether	715	113	1,126	0	63.5	19.7	113	858.6	18.3	50	
2-Chlorophenol	838	113	1,126	0	74.4	24.7	118	948.4	12.4	50	
1,3-Dichlorobenzene	640	84.4	1,126	0	56.9	20.6	99.9	768.0	18.1	50	
1,4-Dichlorobenzene	644	84.4	1,126	0	57.2	22.6	101	751.6	15.4	50	
1,2-Dichlorobenzene	622	84.4	1,126	0	55.3	26.2	103	806.6	25.8	50	
Benzyl alcohol	904	113	1,126	0	80.3	5	169	956.4	5.66	50	
2-Methylphenol (o-cresol)	938	113	1,126	0	83.3	23.3	122	1,004	6.83	50	
Hexachloroethane	623	113	1,126	0	55.3	16.9	100	753.4	19.0	50	
N-Nitrosodi-n-propylamine	912	113	1,126	0	81.1	25.6	131	989.7	8.13	50	
3&4-Methylphenol (m, p-cresol)	963	113	1,126	0	85.5	27.9	118	962.7	0.0102	50	
Nitrobenzene	817	113	1,126	0	72.6	23	121	956.6	15.7	50	
Isophorone	969	113	1,126	0	86.1	26.8	128	924.4	4.70	50	
2-Nitrophenol	817	113	1,126	0	72.6	34.6	130	974.8	17.6	50	
2,4-Dimethylphenol	901	113	1,126	0	80.1	13.4	129	956.2	5.90	50	
Bis(2-chloroethoxy)methane	907	84.4	1,126	0	80.6	30.3	119	1,015	11.2	50	
2,4-Dichlorophenol	930	113	1,126	0	82.6	27	133	978.4	5.11	50	
1,2,4-Trichlorobenzene	856	84.4	1,126	0	76.1	32.1	120	974.0	12.9	50	
Naphthalene	820	56.3	1,126	0	72.9	24.7	126	935.7	13.1	50	
4-Chloroaniline	637	84.4	1,126	0	56.6	10.9	114	642.6	0.904	50	
Hexachlorobutadiene	658	84.4	1,126	0	58.4	32.4	113	875.9	28.4	50	
4-Chloro-3-methylphenol	917	225	1,126	0	81.4	28.7	135	955.7	4.16	50	
2-Methylnaphthalene	902	56.3	1,126	0	80.1	31.1	125	962.5	6.47	50	
1-Methylnaphthalene	897	56.3	1,126	0	79.6	29.6	125	943.6	5.12	50	
Hexachlorocyclopentadiene	843	113	1,126	0	74.9	5	117	945.2	11.4	50	
2,4,6-Trichlorophenol	883	113	1,126	0	78.5	31	125	906.4	2.58	50	
2,4,5-Trichlorophenol	978	113	1,126	0	86.9	28.7	130	1,037	5.82	50	
2-Chloronaphthalene	971	84.4	1,126	0	86.3	37.2	121	1,033	6.12	50	
2-Nitroaniline	893	113	1,126	0	79.3	19.5	145	880.1	1.40	50	
Acenaphthene	927	56.3	1,126	0	82.3	34.2	128	1,002	7.83	50	
Dimethylphthalate	974	113	1,126	0	86.5	25.5	125	1,014	4.11	50	



Date: 6/18/2020

Work Order: 2005395

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 2005395-007AMSD	SampType: MSD	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: SB-EP-1-2'	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192617			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,6-Dinitrotoluene	1,030	113	1,126	0	91.3	41.4	127	986.4	4.14	50	
Acenaphthylene	997	56.3	1,126	0	88.5	34.5	121	996.6	0.00372	50	
2,4-Dinitrophenol	1,570	591	2,251	0	69.5	5	74.3	1,495	4.61	50	
Dibenzofuran	911	84.4	1,126	0	81.0	30.8	128	1,011	10.4	50	
2,4-Dinitrotoluene	985	113	1,126	0	87.5	35.8	132	977.3	0.759	50	
4-Nitrophenol	917	563	1,126	0	81.4	5	152	820.6	11.1	50	
Fluorene	954	56.3	1,126	0	84.7	34.4	127	1,045	9.11	50	
4-Chlorophenyl phenyl ether	915	84.4	1,126	0	81.3	37.4	121	966.3	5.43	50	
Diethylphthalate	959	113	1,126	0	85.2	36	131	1,001	4.24	50	
4,6-Dinitro-2-methylphenol	1,050	225	1,126	0	93.4	5	109	1,069	1.75	50	
4-Bromophenyl phenyl ether	927	84.4	1,126	0	82.4	36.7	121	981.8	5.69	50	
Hexachlorobenzene	935	84.4	1,126	0	83.1	34.4	127	985.9	5.29	50	
Pentachlorophenol	891	113	1,126	0	79.1	5	149	949.6	6.42	50	
Phenanthrene	999	56.3	1,126	0	88.7	30.6	128	1,013	1.41	50	
Anthracene	1,010	56.3	1,126	0	89.3	30.5	124	978.5	2.71	50	
Carbazole	956	84.4	1,126	0	84.9	28.8	128	1,028	7.29	50	
Di-n-butylphthalate	962	113	1,126	0	85.5	36.1	132	976.6	1.49	50	
Fluoranthene	987	56.3	1,126	0	87.7	30.9	125	1,037	4.95	50	
Pyrene	1,000	56.3	1,126	0	89.0	31	125	1,040	3.73	50	
Butyl Benzylphthalate	974	113	1,126	0	86.5	35.1	138	942.9	3.25	50	
bis(2-Ethylhexyl)adipate	915	113	1,126	0	81.3	36.5	136	885.0	3.33	50	
Benz(a)anthracene	1,010	56.3	1,126	0	89.6	18.4	142	969.2	3.92	50	
Chrysene	1,000	56.3	1,126	0	89.3	27.4	134	1,082	7.44	50	
bis (2-Ethylhexyl) phthalate	895	113	1,126	0	79.5	38.6	144	999.3	11.0	50	
Di-n-octyl phthalate	872	113	1,126	0	77.5	37.1	145	992.7	12.9	50	
Benzo(b)fluoranthene	995	56.3	1,126	0	88.4	33.5	134	1,133	13.0	50	
Benzo(k)fluoranthene	936	56.3	1,126	0	83.2	14	133	1,175	22.6	50	
Benzo(a)pyrene	952	56.3	1,126	0	84.6	28.9	142	1,019	6.75	50	
Indeno(1,2,3-cd)pyrene	994	56.3	1,126	0	88.3	25.6	130	1,022	2.82	50	
Dibenz(a,h)anthracene	1,010	56.3	1,126	0	89.3	27.9	126	1,060	5.31	50	
Benzo(g,h,i)perylene	1,070	56.3	1,126	0	95.1	23.9	125	1,019	4.91	50	



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: 2005395-007AMSD	SampType: MSD	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: SB-EP-1-2'	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192617			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 2,4,6-Tribromophenol	902	1,126	80.2	5	139				0		
Surr: 2-Fluorobiphenyl	464	562.8	82.4	5	131				0		
Surr: Nitrobenzene-d5	447	562.8	79.4	5	123				0		
Surr: Phenol-d6	875	1,126	77.8	5	129				0		
Surr: p-Terphenyl	467	562.8	83.0	13.8	140				0		

Sample ID: 2005395-007ADUP	SampType: DUP	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: SB-EP-1-2'	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192618			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	ND	106							0		50
Bis(2-chloroethyl) ether	ND	106							0		50
2-Chlorophenol	ND	106							0		50
1,3-Dichlorobenzene	ND	79.8							0		50
1,4-Dichlorobenzene	ND	79.8							0		50
1,2-Dichlorobenzene	ND	79.8							0		50
Benzyl alcohol	ND	106							0		50
2-Methylphenol (o-cresol)	ND	106							0		50
Hexachloroethane	ND	106							0		50
N-Nitrosodi-n-propylamine	ND	106							0		50
3&4-Methylphenol (m, p-cresol)	ND	106							0		50
Nitrobenzene	ND	106							0		50
Isophorone	ND	106							0		50
2-Nitrophenol	ND	106							0		50
2,4-Dimethylphenol	ND	106							0		50
Bis(2-chloroethoxy)methane	ND	79.8							0		50
2,4-Dichlorophenol	ND	106							0		50
1,2,4-Trichlorobenzene	ND	79.8							0		50
Naphthalene	ND	53.2							0		50
4-Chloroaniline	ND	79.8							0		50



Date: 6/18/2020

Work Order: 2005395

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: 2005395-007ADUP	SampType: DUP	Units: µg/Kg-dry		Prep Date: 6/3/2020		RunNo: 59620					
Client ID: SB-EP-1-2'	Batch ID: 28538			Analysis Date: 6/5/2020		SeqNo: 1192618					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	79.8						0		50	
4-Chloro-3-methylphenol	ND	213						0		50	
2-Methylnaphthalene	ND	53.2						0		50	
1-Methylnaphthalene	ND	53.2						0		50	
Hexachlorocyclopentadiene	ND	106						0		50	
2,4,6-Trichlorophenol	ND	106						0		50	
2,4,5-Trichlorophenol	ND	106						0		50	
2-Chloronaphthalene	ND	79.8						0		50	
2-Nitroaniline	ND	106						0		50	Q
Acenaphthene	ND	53.2						0		50	
Dimethylphthalate	ND	106						0		50	
2,6-Dinitrotoluene	ND	106						0		50	
Acenaphthylene	ND	53.2						0		50	
2,4-Dinitrophenol	ND	559						0		50	
Dibenzofuran	ND	79.8						0		50	
2,4-Dinitrotoluene	ND	106						0		50	
4-Nitrophenol	ND	532						0		50	
Fluorene	ND	53.2						0		50	
4-Chlorophenyl phenyl ether	ND	79.8						0		50	
Diethylphthalate	ND	106						0		50	
4,6-Dinitro-2-methylphenol	ND	213						0		50	
4-Bromophenyl phenyl ether	ND	79.8						0		50	
Hexachlorobenzene	ND	79.8						0		50	
Pentachlorophenol	ND	106						0		50	
Phenanthrene	ND	53.2						0		50	
Anthracene	ND	53.2						0		50	
Carbazole	ND	79.8						0		50	
Di-n-butylphthalate	ND	106						0		50	
Fluoranthene	ND	53.2						0		50	
Pyrene	ND	53.2						0		50	
Butyl Benzylphthalate	ND	106						0		50	



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 2005395-007ADUP	SampType: DUP	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: SB-EP-1-2'	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192618			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
bis(2-Ethylhexyl)adipate	ND	106						0		50	
Benz(a)anthracene	ND	53.2						0		50	
Chrysene	ND	53.2						0		50	
bis (2-Ethylhexyl) phthalate	ND	106						0		50	
Di-n-octyl phthalate	ND	106						0		50	Q
Benzo(b)fluoranthene	ND	53.2						0		50	
Benzo(k)fluoranthene	ND	53.2						0		50	
Benzo(a)pyrene	ND	53.2						0		50	
Indeno(1,2,3-cd)pyrene	ND	53.2						0		50	
Dibenz(a,h)anthracene	ND	53.2						0		50	
Benzo(g,h,i)perylene	ND	53.2						0		50	
Surr: 2,4,6-Tribromophenol	582		1,064		54.7	5	139		0		
Surr: 2-Fluorobiphenyl	337		531.9		63.4	5	131		0		
Surr: Nitrobenzene-d5	277		531.9		52.1	5	123		0		
Surr: Phenol-d6	648		1,064		60.9	5	129		0		
Surr: p-Terphenyl	354		531.9		66.6	13.8	140		0		

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: MB-28552	SampType: MBLK	Units: mg/Kg			Prep Date: 6/4/2020			RunNo: 59601			
Client ID: MBLKS	Batch ID: 28552				Analysis Date: 6/4/2020			SeqNo: 1192009			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.185									
Barium	ND	0.370									
Cadmium	ND	0.148									
Chromium	ND	0.0741									
Lead	ND	0.148									
Selenium	ND	0.370									
Silver	ND	0.0741									

Sample ID: LCS-28552	SampType: LCS	Units: mg/Kg			Prep Date: 6/4/2020			RunNo: 59601			
Client ID: LCSS	Batch ID: 28552				Analysis Date: 6/4/2020			SeqNo: 1192010			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	37.1	0.188	37.59	0	98.7	80	120				
Barium	40.7	0.376	37.59	0	108	80	120				
Cadmium	1.94	0.150	1.880	0	103	80	120				
Chromium	38.0	0.0752	37.59	0	101	80	120				
Lead	19.6	0.150	18.80	0	104	80	120				
Selenium	3.58	0.376	3.759	0	95.1	80	120				
Silver	8.62	0.0752	9.398	0	91.7	80	120				

Sample ID: 2006026-001ADUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 6/4/2020			RunNo: 59601			
Client ID: BATCH	Batch ID: 28552				Analysis Date: 6/4/2020			SeqNo: 1192012			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	3.05	0.215						3.000	1.72	20	
Barium	45.0	0.430						59.05	27.1	20	R
Cadmium	ND	0.172						0		20	
Chromium	28.4	0.0860						23.07	20.6	20	R
Lead	3.03	0.172						2.742	10.0	20	
Selenium	0.856	0.430						0.7543	12.6	20	



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: 2006026-001ADUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 6/4/2020			RunNo: 59601			
Client ID: BATCH	Batch ID: 28552				Analysis Date: 6/4/2020			SeqNo: 1192012			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	ND	0.0860							0	20	

NOTES:

R - High RPD observed. The method is in control as indicated by the LCS.

Sample ID: 2006026-001AMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 6/4/2020			RunNo: 59601			
Client ID: BATCH	Batch ID: 28552				Analysis Date: 6/4/2020			SeqNo: 1192014			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	46.1	0.213	42.64	3.000	101	75	125				
Barium	96.4	0.426	42.64	59.05	87.6	75	125				
Cadmium	2.41	0.171	2.132	0.06700	110	75	125				
Chromium	72.5	0.0853	42.64	23.07	116	75	125				
Lead	22.3	0.171	21.32	2.742	91.8	75	125				
Selenium	5.18	0.426	4.264	0.7543	104	75	125				
Silver	9.20	0.0853	10.66	0.05634	85.7	75	125				

Sample ID: 2006026-001AMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 6/4/2020			RunNo: 59601			
Client ID: BATCH	Batch ID: 28552				Analysis Date: 6/4/2020			SeqNo: 1192015			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	45.3	0.213	42.64	3.000	99.3	75	125	46.07	1.62	20	
Barium	91.8	0.426	42.64	59.05	76.9	75	125	96.39	4.83	20	
Cadmium	2.25	0.171	2.132	0.06700	102	75	125	2.412	7.10	20	
Chromium	70.4	0.0853	42.64	23.07	111	75	125	72.54	3.05	20	
Lead	22.0	0.171	21.32	2.742	90.1	75	125	22.32	1.59	20	
Selenium	4.84	0.426	4.264	0.7543	95.8	75	125	5.184	6.90	20	
Silver	9.16	0.0853	10.66	0.05634	85.4	75	125	9.16	0.419	20	



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: MBLK-28534	SampType: MBLK	Units: mg/Kg			Prep Date: 6/3/2020			RunNo: 59570			
Client ID: MBLKS	Batch ID: 28534				Analysis Date: 6/3/2020			SeqNo: 1191470			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.192									
Barium	ND	0.385									
Cadmium	ND	0.154									
Chromium	ND	0.0769									
Lead	ND	0.154									
Selenium	ND	0.385									
Silver	ND	0.0769									

Sample ID: LCS-28534	SampType: LCS	Units: mg/Kg			Prep Date: 6/3/2020			RunNo: 59570			
Client ID: LCSS	Batch ID: 28534				Analysis Date: 6/3/2020			SeqNo: 1191471			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	40.2	0.197	39.37	0	102	80	120				
Barium	41.3	0.394	39.37	0	105	80	120				
Cadmium	2.05	0.157	1.969	0	104	80	120				
Chromium	41.5	0.0787	39.37	0	106	80	120				
Lead	19.8	0.157	19.69	0	101	80	120				
Selenium	3.84	0.394	3.937	0	97.6	80	120				
Silver	8.54	0.0787	9.843	0	86.7	80	120				

Sample ID: 2006041-001ADUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59570			
Client ID: BATCH	Batch ID: 28534				Analysis Date: 6/3/2020			SeqNo: 1191473			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.36	0.215						2.686	13.0	20	
Barium	61.2	0.430						76.59	22.4	20	R
Cadmium	ND	0.172						0		20	
Chromium	22.7	0.0859						31.92	33.8	20	R
Lead	4.50	0.172						5.334	16.9	20	
Selenium	0.652	0.430						0.7398	12.7	20	



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT**Total Metals by EPA Method 6020B**

Sample ID: 2006041-001ADUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59570			
Client ID: BATCH	Batch ID: 28534				Analysis Date: 6/3/2020			SeqNo: 1191473			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	ND	0.0859							0		20

NOTES:

R - High RPD observed. The method is in control as indicated by the LCS.

Sample ID: 2006041-001AMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59570			
Client ID: BATCH	Batch ID: 28534				Analysis Date: 6/3/2020			SeqNo: 1191475			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.2	0.207	41.41	2.686	97.7	75	125				
Barium	152	0.414	41.41	76.59	182	75	125				S
Cadmium	2.29	0.166	2.071	0.08164	106	75	125				
Chromium	85.8	0.0828	41.41	31.92	130	75	125				S
Lead	25.3	0.166	20.71	5.334	96.4	75	125				
Selenium	4.66	0.414	4.141	0.7398	94.7	75	125				
Silver	7.80	0.0828	10.35	0.05418	74.8	75	125				S

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect (Ba).

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed and recovered within range (Cr, Ag, Zn).

Sample ID: 2006041-001AMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59570			
Client ID: BATCH	Batch ID: 28534				Analysis Date: 6/3/2020			SeqNo: 1191476			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	45.0	0.223	44.62	2.686	94.9	75	125	43.15	4.22	20	
Barium	134	0.446	44.62	76.59	129	75	125	151.8	12.2	20	S
Cadmium	2.34	0.178	2.231	0.08164	101	75	125	2.286	2.16	20	
Chromium	81.9	0.0892	44.62	31.92	112	75	125	85.77	4.58	20	
Lead	24.7	0.178	22.31	5.334	86.8	75	125	25.29	2.40	20	
Selenium	4.72	0.446	4.462	0.7398	89.2	75	125	4.660	1.24	20	
Silver	8.90	0.0892	11.16	0.05418	79.3	75	125	7.800	13.1	20	

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: 2006041-001APDS	SampType: PDS	Units: mg/Kg-dry	Prep Date: 6/3/2020	RunNo: 59570
Client ID: BATCH	Batch ID: 28534		Analysis Date: 6/3/2020	SeqNo: 1191477
<hr/>				
Analyte	Result	RL	SPK value	SPK Ref Val
Barium	122	0.439	43.9	76.6
			103	75 125
			%REC	LowLimit HighLimit RPD Ref Val
			%RPD	RPDLimit Qual



Date: 6/18/2020

Work Order: 2005395

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT**Volatile Organic Compounds by EPA Method 8260D**

Sample ID: LCS-28529	SampType: LCS	Units: mg/Kg			Prep Date: 6/3/2020			RunNo: 59571			
Client ID: LCSS	Batch ID: 28529				Analysis Date: 6/3/2020			SeqNo: 1191448			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.802	0.0200	1.000	0	80.2	13.4	185				
Chloromethane	0.827	0.0500	1.000	0	82.7	38.5	158				
Vinyl chloride	0.804	0.0250	1.000	0	80.4	53.6	138				
Bromomethane	0.887	0.0500	1.000	0	88.7	56.6	151				
Trichlorofluoromethane (CFC-11)	0.955	0.0200	1.000	0	95.5	64.2	137				
Chloroethane	0.996	0.0500	1.000	0	99.6	54.1	134				
1,1-Dichloroethene	0.878	0.0200	1.000	0	87.8	66	133				
Methylene chloride	0.841	0.0200	1.000	0	84.1	74.3	117				
trans-1,2-Dichloroethene	0.873	0.0200	1.000	0	87.3	79.6	115				
Methyl tert-butyl ether (MTBE)	0.816	0.0500	1.000	0	81.6	73.1	119				
1,1-Dichloroethane	0.831	0.0200	1.000	0	83.1	75.8	117				
cis-1,2-Dichloroethene	0.919	0.0200	1.000	0	91.9	77.8	115				
Chloroform	0.918	0.0200	1.000	0	91.8	78.2	115				
1,1,1-Trichloroethane (TCA)	0.939	0.0250	1.000	0	93.9	76	121				
1,1-Dichloropropene	0.841	0.0200	1.000	0	84.1	77.2	120				
Carbon tetrachloride	0.953	0.0500	1.000	0	95.3	74	122				
1,2-Dichloroethane (EDC)	0.854	0.0200	1.000	0	85.4	74.7	115				
Benzene	0.871	0.0200	1.000	0	87.1	80.5	114				
Trichloroethene (TCE)	0.881	0.0200	1.000	0	88.1	79.6	118				
1,2-Dichloropropane	0.830	0.0200	1.000	0	83.0	78.2	115				
Bromodichloromethane	0.918	0.0200	1.000	0	91.8	76.6	116				
Dibromomethane	0.877	0.0200	1.000	0	87.7	77.9	115				
cis-1,3-Dichloropropene	0.851	0.0200	1.000	0	85.1	74.6	119				
Toluene	0.878	0.0200	1.000	0	87.8	79.6	116				
trans-1,3-Dichloropropylene	0.844	0.0200	1.000	0	84.4	70.6	124				
1,1,2-Trichloroethane	0.860	0.0200	1.000	0	86.0	75.6	116				
1,3-Dichloropropane	0.837	0.0250	1.000	0	83.7	75.3	116				
Tetrachloroethene (PCE)	0.960	0.0250	1.000	0	96.0	78.8	119				
Dibromochloromethane	0.943	0.0250	1.000	0	94.3	72.5	123				
1,2-Dibromoethane (EDB)	0.854	0.00500	1.000	0	85.4	75	116				
Chlorobenzene	0.914	0.0250	1.000	0	91.4	83.4	113				



Date: 6/18/2020

Work Order: 2005395

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-28529	SampType: LCS	Units: mg/Kg			Prep Date: 6/3/2020			RunNo: 59571			
Client ID: LCSS	Batch ID: 28529				Analysis Date: 6/3/2020			SeqNo: 1191448			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.918	0.0250	1.000	0	91.8	80.8	117				
Ethylbenzene	0.915	0.0250	1.000	0	91.5	81.6	116				
m,p-Xylene	1.88	0.0500	2.000	0	94.1	80.9	117				
o-Xylene	0.924	0.0250	1.000	0	92.4	80.8	114				
Styrene	0.921	0.0250	1.000	0	92.1	80.4	114				
Isopropylbenzene	0.937	0.0250	1.000	0	93.7	79.3	118				
Bromoform	0.942	0.0500	1.000	0	94.2	71	129				
1,1,2,2-Tetrachloroethane	0.766	0.0200	1.000	0	76.6	71.3	119				
n-Propylbenzene	0.929	0.0250	1.000	0	92.9	80.4	120				
Bromobenzene	0.980	0.0200	1.000	0	98.0	78.6	115				
1,3,5-Trimethylbenzene	0.955	0.0250	1.000	0	95.5	80	116				
2-Chlorotoluene	0.924	0.0250	1.000	0	92.4	78.6	116				
4-Chlorotoluene	0.934	0.0250	1.000	0	93.4	78.8	117				
tert-Butylbenzene	0.970	0.0250	1.000	0	97.0	77.8	118				
1,2,3-Trichloropropane	0.793	0.0250	1.000	0	79.3	67.5	129				
1,2,4-Trichlorobenzene	0.920	0.0250	1.000	0	92.0	79.6	124				
sec-Butylbenzene	0.956	0.0500	1.000	0	95.6	78.6	119				
4-Isopropyltoluene	0.994	0.0500	1.000	0	99.4	78	119				
1,3-Dichlorobenzene	0.859	0.0200	1.000	0	85.9	87.1	117				S
1,4-Dichlorobenzene	0.843	0.0200	1.000	0	84.3	87.6	115				S
n-Butylbenzene	0.889	0.0250	1.000	0	88.9	81.9	122				
1,2-Dichlorobenzene	0.846	0.0200	1.000	0	84.6	87.9	115				S
1,2-Dibromo-3-chloropropane	0.832	0.500	1.000	0	83.2	65.6	132				
1,2,4-Trimethylbenzene	0.970	0.0200	1.000	0	97.0	79.3	117				
Hexachloro-1,3-butadiene	1.08	0.0500	1.000	0	108	75	130				
Naphthalene	0.822	0.0500	1.000	0	82.2	71.7	132				
1,2,3-Trichlorobenzene	0.890	0.0200	1.000	0	89.0	74.3	128				
Surr: Dibromofluoromethane	1.33		1.250		107	83.3	111				
Surr: Toluene-d8	1.21		1.250		97.1	87.9	111				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	85.1	111				



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-28529	SampType: LCS	Units: mg/Kg	Prep Date: 6/3/2020	RunNo: 59571
Client ID: LCSS	Batch ID: 28529		Analysis Date: 6/3/2020	SeqNo: 1191448
Analyte	Result	RL	SPK value	SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual

NOTES:

S - Outlying spike recovery observed (low bias). Samples will be qualified with a *.

Sample ID: MB-28529	SampType: MBLK	Units: mg/Kg	Prep Date: 6/3/2020	RunNo: 59571
Client ID: MBLKS	Batch ID: 28529		Analysis Date: 6/3/2020	SeqNo: 1191449
Analyte	Result	RL	SPK value	SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0200
Chloromethane	ND	0.0500
Vinyl chloride	ND	0.0250
Bromomethane	ND	0.0500
Trichlorofluoromethane (CFC-11)	ND	0.0200
Chloroethane	ND	0.0500
1,1-Dichloroethene	ND	0.0200
Methylene chloride	ND	0.0200
trans-1,2-Dichloroethene	ND	0.0200
Methyl tert-butyl ether (MTBE)	ND	0.0500
1,1-Dichloroethane	ND	0.0200
cis-1,2-Dichloroethene	ND	0.0200
Chloroform	ND	0.0200
1,1,1-Trichloroethane (TCA)	ND	0.0250
1,1-Dichloropropene	ND	0.0200
Carbon tetrachloride	ND	0.0500
1,2-Dichloroethane (EDC)	ND	0.0200
Benzene	ND	0.0200
Trichloroethene (TCE)	ND	0.0200
1,2-Dichloropropane	ND	0.0200
Bromodichloromethane	ND	0.0200
Dibromomethane	ND	0.0200
cis-1,3-Dichloropropene	ND	0.0200
Toluene	ND	0.0200



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: MBLK-28529	SampType: MBLK	Units: mg/Kg		Prep Date: 6/3/2020		RunNo: 59571					
Client ID: MBLKS	Batch ID: 28529			Analysis Date: 6/3/2020		SeqNo: 1191449					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropylene	ND	0.0200									
1,1,2-Trichloroethane	ND	0.0200									
1,3-Dichloropropane	ND	0.0250									
Tetrachloroethene (PCE)	ND	0.0250									
Dibromochloromethane	ND	0.0250									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0250									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0250									
Bromoform	ND	0.0500									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0250									
Bromobenzene	ND	0.0200									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0250									
4-Chlorotoluene	ND	0.0250									
tert-Butylbenzene	ND	0.0250									
1,2,3-Trichloropropane	ND	0.0250									
1,2,4-Trichlorobenzene	ND	0.0250									*
sec-Butylbenzene	ND	0.0500									
4-Isopropyltoluene	ND	0.0500									
1,3-Dichlorobenzene	ND	0.0200									*
1,4-Dichlorobenzene	ND	0.0200									*
n-Butylbenzene	ND	0.0250									
1,2-Dichlorobenzene	ND	0.0200									*
1,2-Dibromo-3-chloropropane	ND	0.500									
1,2,4-Trimethylbenzene	ND	0.0200									



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: MBLK-28529	SampType: MBLK	Units: mg/Kg		Prep Date: 6/3/2020		RunNo: 59571					
Client ID: MBLKS	Batch ID: 28529			Analysis Date: 6/3/2020		SeqNo: 1191449					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloro-1,3-butadiene	ND	0.0500									
Naphthalene	ND	0.0500									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: Dibromofluoromethane	1.16		1.250		93.0	83.3	111				
Surr: Toluene-d8	1.14		1.250		91.1	87.9	111				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.7	85.1	111				

NOTES:

* - Flagged value is not within established control limits.

Sample ID: 2005395-001BDUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 6/3/2020		RunNo: 59571					
Client ID: SB-EP-5-1'	Batch ID: 28529			Analysis Date: 6/3/2020		SeqNo: 1191435					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0237						0		30	
Chloromethane	ND	0.0594						0		30	
Vinyl chloride	ND	0.0297						0		30	
Bromomethane	ND	0.0594						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0237						0		30	
Chloroethane	ND	0.0594						0		30	
1,1-Dichloroethene	ND	0.0237						0		30	
Methylene chloride	ND	0.0237						0		30	
trans-1,2-Dichloroethene	ND	0.0237						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0594						0		30	
1,1-Dichloroethane	ND	0.0237						0		30	
cis-1,2-Dichloroethene	ND	0.0237						0		30	
Chloroform	ND	0.0237						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0297						0		30	
1,1-Dichloropropene	ND	0.0237						0		30	
Carbon tetrachloride	ND	0.0594						0		30	
1,2-Dichloroethane (EDC)	ND	0.0237						0		30	
Benzene	ND	0.0237						0		30	



Date: 6/18/2020

Work Order: 2005395

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT**Volatile Organic Compounds by EPA Method 8260D**

Sample ID:	2005395-001BDUP	SampType:	DUP	Units:	mg/Kg-dry	Prep Date:	6/3/2020	RunNo:	59571		
Client ID:	SB-EP-5-1'	Batch ID:	28529			Analysis Date:	6/3/2020	SeqNo:	1191435		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	ND	0.0237						0		30	
1,2-Dichloropropane	ND	0.0237						0		30	
Bromodichloromethane	ND	0.0237						0		30	
Dibromomethane	ND	0.0237						0		30	
cis-1,3-Dichloropropene	ND	0.0237						0		30	
Toluene	ND	0.0237						0		30	
trans-1,3-Dichloropropylene	ND	0.0237						0		30	
1,1,2-Trichloroethane	ND	0.0237						0		30	
1,3-Dichloropropane	ND	0.0297						0		30	
Tetrachloroethene (PCE)	ND	0.0297						0		30	
Dibromochloromethane	ND	0.0297						0		30	
1,2-Dibromoethane (EDB)	ND	0.00594						0		30	
Chlorobenzene	ND	0.0297						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0297						0		30	
Ethylbenzene	ND	0.0297						0		30	
m,p-Xylene	ND	0.0594						0		30	
o-Xylene	ND	0.0297						0		30	
Styrene	ND	0.0297						0		30	
Isopropylbenzene	ND	0.0297						0		30	
Bromoform	ND	0.0594						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0237						0		30	
n-Propylbenzene	ND	0.0297						0		30	
Bromobenzene	ND	0.0237						0		30	
1,3,5-Trimethylbenzene	ND	0.0297						0		30	
2-Chlorotoluene	ND	0.0297						0		30	
4-Chlorotoluene	ND	0.0297						0		30	
tert-Butylbenzene	ND	0.0297						0		30	
1,2,3-Trichloropropane	ND	0.0297						0		30	
1,2,4-Trichlorobenzene	ND	0.0297						0		30	
sec-Butylbenzene	ND	0.0594						0		30	
4-Isopropyltoluene	ND	0.0594						0		30	



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2005395-001BDUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 6/3/2020		RunNo: 59571					
Client ID: SB-EP-5-1'	Batch ID: 28529			Analysis Date: 6/3/2020		SeqNo: 1191435					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	0.0237						0		30	*
1,4-Dichlorobenzene	ND	0.0237						0		30	*
n-Butylbenzene	ND	0.0297						0		30	
1,2-Dichlorobenzene	ND	0.0237						0		30	*
1,2-Dibromo-3-chloropropane	ND	0.594						0		30	
1,2,4-Trimethylbenzene	ND	0.0237						0		30	
Hexachloro-1,3-butadiene	ND	0.0594						0		30	
Naphthalene	ND	0.0594						0		30	
1,2,3-Trichlorobenzene	ND	0.0237						0		30	
Surr: Dibromofluoromethane	1.41		1.484		95.2	83.3	111		0		
Surr: Toluene-d8	1.36		1.484		91.9	87.9	111		0		
Surr: 1-Bromo-4-fluorobenzene	1.45		1.484		97.7	85.1	111		0		

NOTES:

* - Flagged value is not within established control limits.

Sample ID: 2006041-001BDUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 6/3/2020		RunNo: 59571					
Client ID: BATCH	Batch ID: 28529			Analysis Date: 6/4/2020		SeqNo: 1191444					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0201						0		30	
Chloromethane	ND	0.0502						0		30	
Vinyl chloride	ND	0.0251						0		30	
Bromomethane	ND	0.0502						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0201						0		30	
Chloroethane	ND	0.0502						0		30	
1,1-Dichloroethene	ND	0.0201						0		30	
Methylene chloride	ND	0.0201						0		30	
trans-1,2-Dichloroethene	ND	0.0201						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0502						0		30	
1,1-Dichloroethane	ND	0.0201						0		30	
cis-1,2-Dichloroethene	ND	0.0201						0		30	



Date: 6/18/2020

Work Order: 2005395

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT**Volatile Organic Compounds by EPA Method 8260D**

Sample ID:	2006041-001BDUP	SampType:	DUP	Units:	mg/Kg-dry	Prep Date:	6/3/2020	RunNo:	59571		
Client ID:	BATCH	Batch ID:	28529			Analysis Date:	6/4/2020	SeqNo:	1191444		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	ND	0.0201						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0251						0		30	
1,1-Dichloropropene	ND	0.0201						0		30	
Carbon tetrachloride	ND	0.0502						0		30	
1,2-Dichloroethane (EDC)	ND	0.0201						0		30	
Benzene	ND	0.0201						0		30	
Trichloroethylene (TCE)	ND	0.0201						0		30	
1,2-Dichloropropane	ND	0.0201						0		30	
Bromodichloromethane	ND	0.0201						0		30	
Dibromomethane	ND	0.0201						0		30	
cis-1,3-Dichloropropene	ND	0.0201						0		30	
Toluene	ND	0.0201						0		30	
trans-1,3-Dichloropropylene	ND	0.0201						0		30	
1,1,2-Trichloroethane	ND	0.0201						0		30	
1,3-Dichloropropane	ND	0.0251						0		30	
Tetrachloroethylene (PCE)	ND	0.0251						0		30	
Dibromochloromethane	ND	0.0251						0		30	
1,2-Dibromoethane (EDB)	ND	0.00502						0		30	
Chlorobenzene	ND	0.0251						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0251						0		30	
Ethylbenzene	ND	0.0251						0		30	
m,p-Xylene	ND	0.0502						0		30	
o-Xylene	ND	0.0251						0		30	
Styrene	ND	0.0251						0		30	
Isopropylbenzene	ND	0.0251						0		30	
Bromoform	ND	0.0502						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0201						0		30	
n-Propylbenzene	ND	0.0251						0		30	
Bromobenzene	ND	0.0201						0		30	
1,3,5-Trimethylbenzene	ND	0.0251						0		30	
2-Chlorotoluene	ND	0.0251						0		30	



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2006041-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59571			
Client ID: BATCH	Batch ID: 28529				Analysis Date: 6/4/2020			SeqNo: 1191444			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	0.0251						0		30	
tert-Butylbenzene	ND	0.0251						0		30	
1,2,3-Trichloropropane	ND	0.0251						0		30	
1,2,4-Trichlorobenzene	ND	0.0251						0		30	
sec-Butylbenzene	ND	0.0502						0		30	
4-Isopropyltoluene	ND	0.0502						0		30	
1,3-Dichlorobenzene	ND	0.0201						0	30	*	
1,4-Dichlorobenzene	ND	0.0201						0	30	*	
n-Butylbenzene	ND	0.0251						0		30	
1,2-Dichlorobenzene	ND	0.0201						0	30	*	
1,2-Dibromo-3-chloropropane	ND	0.502						0		30	
1,2,4-Trimethylbenzene	ND	0.0201						0		30	
Hexachloro-1,3-butadiene	ND	0.0502						0		30	
Naphthalene	ND	0.0502						0		30	
1,2,3-Trichlorobenzene	ND	0.0201						0		30	
Surr: Dibromofluoromethane	1.19		1.254		95.0	83.3	111		0		
Surr: Toluene-d8	1.16		1.254		92.5	87.9	111		0		
Surr: 1-Bromo-4-fluorobenzene	1.21		1.254		96.4	85.1	111		0		

NOTES:

* - Flagged value is not within established control limits.

Sample ID: 2005395-004BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59571			
Client ID: SB-EP-4-1'	Batch ID: 28529				Analysis Date: 6/4/2020			SeqNo: 1191437			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.911	0.0252	1.262	0	72.2	5.73	173				
Chloromethane	0.969	0.0631	1.262	0	76.8	41.3	150				
Vinyl chloride	1.01	0.0316	1.262	0	80.4	49.5	138				
Bromomethane	1.14	0.0631	1.262	0	90.4	48.5	158				
Trichlorofluoromethane (CFC-11)	1.25	0.0252	1.262	0	99.1	40.6	159				
Chloroethane	1.31	0.0631	1.262	0	104	30.4	166				



Date: 6/18/2020

Work Order: 2005395

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2005395-004BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59571			
Client ID: SB-EP-4-1'	Batch ID: 28529				Analysis Date: 6/4/2020			SeqNo: 1191437			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	1.13	0.0252	1.262	0	89.8	55	138				
Methylene chloride	1.04	0.0252	1.262	0	82.3	70.3	123				
trans-1,2-Dichloroethene	1.11	0.0252	1.262	0	88.1	73.1	121				
Methyl tert-butyl ether (MTBE)	1.02	0.0631	1.262	0	81.2	69.6	122				
1,1-Dichloroethane	1.06	0.0252	1.262	0	84.0	70.8	122				
cis-1,2-Dichloroethene	1.16	0.0252	1.262	0	91.9	71.8	122				
Chloroform	1.16	0.0252	1.262	0	92.2	72.9	122				
1,1,1-Trichloroethane (TCA)	1.23	0.0316	1.262	0	97.6	69.6	125				
1,1-Dichloropropene	1.12	0.0252	1.262	0	88.5	69.3	126				
Carbon tetrachloride	1.28	0.0631	1.262	0	101	65	127				
1,2-Dichloroethane (EDC)	1.10	0.0252	1.262	0	87.4	70.1	121				
Benzene	1.11	0.0252	1.262	0	87.6	76.7	119				
Trichloroethene (TCE)	1.16	0.0252	1.262	0	92.0	70.1	129				
1,2-Dichloropropane	1.04	0.0252	1.262	0	82.1	74.6	120				
Bromodichloromethane	1.15	0.0252	1.262	0	91.4	70.9	122				
Dibromomethane	1.14	0.0252	1.262	0	90.1	75.6	120				
cis-1,3-Dichloropropene	1.03	0.0252	1.262	0	81.6	68.3	120				
Toluene	1.14	0.0252	1.262	0	90.0	74.7	119				
trans-1,3-Dichloropropylene	1.04	0.0252	1.262	0	82.6	62.2	127				
1,1,2-Trichloroethane	1.10	0.0252	1.262	0	87.1	72.9	120				
1,3-Dichloropropane	1.07	0.0316	1.262	0	84.6	71.9	119				
Tetrachloroethene (PCE)	1.26	0.0316	1.262	0	99.7	71.1	122				
Dibromochloromethane	1.19	0.0316	1.262	0	94.6	65.9	126				
1,2-Dibromoethane (EDB)	1.09	0.00631	1.262	0	86.6	72	119				
Chlorobenzene	1.23	0.0316	1.262	0	97.3	81.4	116				
1,1,1,2-Tetrachloroethane	1.23	0.0316	1.262	0	97.8	72.9	125				
Ethylbenzene	1.22	0.0316	1.262	0	96.9	77.1	120				
m,p-Xylene	2.55	0.0631	2.524	0.01178	101	76.3	120				
o-Xylene	1.23	0.0316	1.262	0	97.7	76.6	119				
Styrene	1.21	0.0316	1.262	0	95.7	75.1	121				
Isopropylbenzene	1.28	0.0316	1.262	0	101	74.8	122				



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2005395-004BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59571			
Client ID: SB-EP-4-1'	Batch ID: 28529				Analysis Date: 6/4/2020			SeqNo: 1191437			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	1.26	0.0631	1.262	0	100	63.4	133				
1,1,2,2-Tetrachloroethane	0.999	0.0252	1.262	0	79.1	61	128				
n-Propylbenzene	1.24	0.0316	1.262	0	98.2	73	128				
Bromobenzene	1.28	0.0252	1.262	0	102	77	120				
1,3,5-Trimethylbenzene	1.27	0.0316	1.262	0	100	72.1	126				
2-Chlorotoluene	1.21	0.0316	1.262	0	95.8	71.4	126				
4-Chlorotoluene	1.22	0.0316	1.262	0	97.1	73.6	124				
tert-Butylbenzene	1.31	0.0316	1.262	0	104	70.7	126				
1,2,3-Trichloropropane	1.13	0.0316	1.262	0	89.9	65.7	132				
1,2,4-Trichlorobenzene	1.19	0.0316	1.262	0	94.2	70.5	130				
sec-Butylbenzene	1.30	0.0631	1.262	0	103	68.8	129				
4-Isopropyltoluene	1.33	0.0631	1.262	0	106	69.2	128				
1,3-Dichlorobenzene	1.11	0.0252	1.262	0	88.3	83.8	121				
1,4-Dichlorobenzene	1.10	0.0252	1.262	0	87.2	85.7	117				
n-Butylbenzene	1.17	0.0316	1.262	0	92.6	67.4	133				
1,2-Dichlorobenzene	1.10	0.0252	1.262	0	87.0	81.8	120				
1,2-Dibromo-3-chloropropane	1.06	0.631	1.262	0	84.4	56.9	139				
1,2,4-Trimethylbenzene	1.26	0.0252	1.262	0	100	70.9	127				
Hexachloro-1,3-butadiene	1.44	0.0631	1.262	0	114	61.1	140				
Naphthalene	1.12	0.0631	1.262	0	89.1	63.3	143				
1,2,3-Trichlorobenzene	1.21	0.0252	1.262	0	95.9	67.8	132				
Surr: Dibromofluoromethane	1.60		1.578		101	83.3	111				
Surr: Toluene-d8	1.46		1.578		92.3	87.9	111				
Surr: 1-Bromo-4-fluorobenzene	1.58		1.578		100	85.1	111				

Sample ID: 2005395-004BMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59571			
Client ID: SB-EP-4-1'	Batch ID: 28529				Analysis Date: 6/4/2020			SeqNo: 1191438			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.911	0.0252	1.262	0	72.2	5.73	173	0.9110	0.0296	30	



Date: 6/18/2020

Work Order: 2005395

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2005395-004BMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59571			
Client ID: SB-EP-4-1'	Batch ID: 28529				Analysis Date: 6/4/2020			SeqNo: 1191438			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	1.03	0.0631	1.262	0	81.8	41.3	150	0.9689	6.30	30	
Vinyl chloride	1.04	0.0316	1.262	0	82.2	49.5	138	1.015	2.17	30	
Bromomethane	1.09	0.0631	1.262	0	86.6	48.5	158	1.141	4.37	30	
Trichlorofluoromethane (CFC-11)	1.25	0.0252	1.262	0	98.7	40.6	159	1.250	0.401	30	
Chloroethane	1.32	0.0631	1.262	0	104	30.4	166	1.310	0.383	30	
1,1-Dichloroethene	1.12	0.0252	1.262	0	88.8	55	138	1.133	1.10	30	
Methylene chloride	1.05	0.0252	1.262	0	83.2	70.3	123	1.038	1.17	30	
trans-1,2-Dichloroethene	1.11	0.0252	1.262	0	88.2	73.1	121	1.112	0.108	30	
Methyl tert-butyl ether (MTBE)	1.03	0.0631	1.262	0	81.8	69.6	122	1.025	0.685	30	
1,1-Dichloroethane	1.06	0.0252	1.262	0	83.7	70.8	122	1.060	0.358	30	
cis-1,2-Dichloroethene	1.15	0.0252	1.262	0	91.5	71.8	122	1.160	0.450	30	
Chloroform	1.17	0.0252	1.262	0	92.6	72.9	122	1.164	0.413	30	
1,1,1-Trichloroethane (TCA)	1.23	0.0316	1.262	0	97.8	69.6	125	1.232	0.153	30	
1,1-Dichloropropene	1.12	0.0252	1.262	0	88.4	69.3	126	1.117	0.130	30	
Carbon tetrachloride	1.27	0.0631	1.262	0	101	65	127	1.278	0.668	30	
1,2-Dichloroethane (EDC)	1.10	0.0252	1.262	0	87.5	70.1	121	1.103	0.0483	30	
Benzene	1.10	0.0252	1.262	0	87.4	76.7	119	1.106	0.230	30	
Trichloroethene (TCE)	1.16	0.0252	1.262	0	91.6	70.1	129	1.162	0.506	30	
1,2-Dichloropropane	1.04	0.0252	1.262	0	82.0	74.6	120	1.036	0.0887	30	
Bromodichloromethane	1.13	0.0252	1.262	0	89.9	70.9	122	1.154	1.66	30	
Dibromomethane	1.13	0.0252	1.262	0	89.5	75.6	120	1.137	0.673	30	
cis-1,3-Dichloropropene	1.03	0.0252	1.262	0	81.7	68.3	120	1.029	0.142	30	
Toluene	1.12	0.0252	1.262	0	89.1	74.7	119	1.135	1.00	30	
trans-1,3-Dichloropropylene	1.04	0.0252	1.262	0	82.6	62.2	127	1.042	0.100	30	
1,1,2-Trichloroethane	1.07	0.0252	1.262	0	84.7	72.9	120	1.099	2.79	30	
1,3-Dichloropropane	1.06	0.0316	1.262	0	83.9	71.9	119	1.068	0.781	30	
Tetrachloroethene (PCE)	1.25	0.0316	1.262	0	99.1	71.1	122	1.259	0.681	30	
Dibromochloromethane	1.20	0.0316	1.262	0	95.0	65.9	126	1.194	0.475	30	
1,2-Dibromoethane (EDB)	1.11	0.00631	1.262	0	87.6	72	119	1.093	1.17	30	
Chlorobenzene	1.22	0.0316	1.262	0	97.0	81.4	116	1.228	0.283	30	
1,1,1,2-Tetrachloroethane	1.24	0.0316	1.262	0	97.9	72.9	125	1.234	0.181	30	



Date: 6/18/2020

Work Order: 2005395

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2005395-004BMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59571			
Client ID: SB-EP-4-1'	Batch ID: 28529				Analysis Date: 6/4/2020			SeqNo: 1191438			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	1.22	0.0316	1.262	0	96.7	77.1	120	1.223	0.199	30	
m,p-Xylene	2.52	0.0631	2.524	0.01178	99.5	76.3	120	2.551	1.10	30	
o-Xylene	1.23	0.0316	1.262	0	97.3	76.6	119	1.234	0.410	30	
Styrene	1.22	0.0316	1.262	0	96.5	75.1	121	1.208	0.828	30	
Isopropylbenzene	1.26	0.0316	1.262	0	100	74.8	122	1.281	1.44	30	
Bromoform	1.29	0.0631	1.262	0	102	63.4	133	1.263	1.82	30	
1,1,2,2-Tetrachloroethane	1.02	0.0252	1.262	0	80.9	61	128	0.9989	2.19	30	
n-Propylbenzene	1.23	0.0316	1.262	0	97.6	73	128	1.239	0.565	30	
Bromobenzene	1.29	0.0252	1.262	0	102	77	120	1.282	0.545	30	
1,3,5-Trimethylbenzene	1.27	0.0316	1.262	0	101	72.1	126	1.267	0.206	30	
2-Chlorotoluene	1.20	0.0316	1.262	0	95.1	71.4	126	1.209	0.722	30	
4-Chlorotoluene	1.23	0.0316	1.262	0	97.5	73.6	124	1.225	0.426	30	
tert-Butylbenzene	1.30	0.0316	1.262	0	103	70.7	126	1.309	0.419	30	
1,2,3-Trichloropropane	1.11	0.0316	1.262	0	88.0	65.7	132	1.135	2.18	30	
1,2,4-Trichlorobenzene	1.23	0.0316	1.262	0	97.4	70.5	130	1.189	3.32	30	
sec-Butylbenzene	1.29	0.0631	1.262	0	102	68.8	129	1.297	0.570	30	
4-Isopropyltoluene	1.33	0.0631	1.262	0	105	69.2	128	1.333	0.336	30	
1,3-Dichlorobenzene	1.13	0.0252	1.262	0	89.4	83.8	121	1.115	1.21	30	
1,4-Dichlorobenzene	1.10	0.0252	1.262	0	87.1	85.7	117	1.101	0.0931	30	
n-Butylbenzene	1.17	0.0316	1.262	0	93.0	67.4	133	1.168	0.430	30	
1,2-Dichlorobenzene	1.10	0.0252	1.262	0	87.2	81.8	120	1.098	0.237	30	
1,2-Dibromo-3-chloropropane	1.05	0.631	1.262	0	83.4	56.9	139	1.065	1.10	30	
1,2,4-Trimethylbenzene	1.27	0.0252	1.262	0	101	70.9	127	1.263	0.759	30	
Hexachloro-1,3-butadiene	1.50	0.0631	1.262	0	118	61.1	140	1.437	4.01	30	
Naphthalene	1.15	0.0631	1.262	0	91.4	63.3	143	1.124	2.57	30	
1,2,3-Trichlorobenzene	1.26	0.0252	1.262	0	99.6	67.8	132	1.210	3.80	30	
Surr: Dibromofluoromethane	1.59		1.578		101	83.3	111		0		
Surr: Toluene-d8	1.46		1.578		92.5	87.9	111		0		
Surr: 1-Bromo-4-fluorobenzene	1.58		1.578		100	85.1	111		0		



Date: 6/15/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (Mod)

Sample ID: MBLK-28601	SampType: MBLK	Units: µg/Kg			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: MBLKS	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196966			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	ND	35.0									
2,4-D	ND	30.0									
2,4-DP	ND	25.0									
2,4,5-TP (Silvex)	ND	20.0									
2,4,5-T	ND	50.0									
Dinoseb	ND	30.0									
Dalapon	ND	200									
2,4-DB	ND	25.0									
MCPP	ND	4,400									
MCPA	ND	2,800									
Picloram	ND	50.0									Q
Bentazon	ND	35.0									
Chloramben	ND	20.0									
Acifluorfen	ND	80.0									
3,5-Dichlorobenzoic acid	ND	40.0									
4-Nitrophenol	ND	30.0									
Dacthal (DCPA)	ND	30.0									
Surr: 2,4-Dichlorophenylacetic acid	1,500		1,000		150	15.3	163				

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: LCS-28601	SampType: LCS	Units: µg/Kg			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: LCSS	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196967			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	185	35.0	200.0	0	92.7	21.2	167				
2,4-D	204	30.0	200.0	0	102	32	176				
2,4-DP	191	25.0	200.0	0	95.4	25.8	171				
2,4,5-TP (Silvex)	197	20.0	200.0	0	98.7	23.6	164				
2,4,5-T	200	50.0	200.0	0	99.8	25	166				
Dinoseb	27.9	30.0	200.0	0	13.9	5	168				



Date: 6/15/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (Mod)

Sample ID: LCS-28601	SampType: LCS	Units: µg/Kg			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: LCSS	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196967			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dalapon	866	200	1,000	0	86.6	29.2	195				
2,4-DB	189	25.0	200.0	0	94.3	8.11	184				
MCPP	977	4,400	1,000	0	97.7	17.3	191				
MCPA	973	2,800	1,000	0	97.3	13.6	192				
Picloram	166	50.0	200.0	0	82.8	5	175				
Bentazon	198	35.0	200.0	0	99.2	21.5	170				
Chloramben	133	20.0	200.0	0	66.3	5	114				
Acifluorfen	94.3	80.0	200.0	0	47.1	5	168				
3,5-Dichlorobenzoic acid	190	40.0	200.0	0	94.9	26.2	174				
4-Nitrophenol	145	30.0	200.0	0	72.6	5.02	160				
Dacthal (DCPA)	211	30.0	200.0	0	105	18	168				
Surrogate: 2,4-Dichlorophenylacetic acid	1,020		1,000		102	15.3	163				

Sample ID: 2006001-018BMS	SampType: MS	Units: µg/Kg-dry			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: BATCH	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196982			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	158	35.7	204.0	0	77.4	5	136				
2,4-D	177	30.6	204.0	0	86.8	5	151				
2,4-DP	174	25.5	204.0	0	85.2	5	149				
2,4,5-TP (Silvex)	186	20.4	204.0	0	91.4	5.43	140				
2,4,5-T	173	51.0	204.0	0	84.9	6.68	133				
Dinoseb	87.8	30.6	204.0	0	43.0	5	141				
Dalapon	766	204	1,020	0	75.1	5	179				
2,4-DB	215	25.5	204.0	0	106	5.57	160				
MCPP	893	4,490	1,020	0	87.5	5	174				
MCPA	865	2,860	1,020	0	84.8	5	154				
Picloram	109	51.0	204.0	0	53.6	5	139				
Bentazon	201	35.7	204.0	0	98.3	5.31	146				
Chloramben	139	20.4	204.0	0	68.1	5	134				



Date: 6/15/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (Mod)

Sample ID: 2006001-018BMS	SampType: MS	Units: µg/Kg-dry			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: BATCH	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196982			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acifluorfen	106	81.6	204.0	0	52.1	5	168				
3,5-Dichlorobenzoic acid	177	40.8	204.0	0	86.9	6.99	144				
4-Nitrophenol	160	30.6	204.0	0	78.5	10.2	139				
Dacthal (DCPA)	58.1	30.6	204.0	0	28.5	5	156				
Surr: 2,4-Dichlorophenylacetic acid	999		1,020		97.9	15.3	163				

Sample ID: 2006001-018BMSD	SampType: MSD	Units: µg/Kg-dry			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: BATCH	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196983			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	128	33.4	190.8	0	67.2	5	136	158.0	20.8	30	
2,4-D	140	28.6	190.8	0	73.2	5	151	177.1	23.7	30	R
2,4-DP	137	23.8	190.8	0	71.6	5	149	173.9	24.1	30	
2,4,5-TP (Silvex)	141	19.1	190.8	0	74.0	5.43	140	186.4	27.6	30	
2,4,5-T	129	47.7	190.8	0	67.4	6.68	133	173.3	29.6	30	
Dinoseb	81.0	28.6	190.8	0	42.4	5	141	87.81	8.11	30	
Dalapon	626	191	953.9	0	65.6	5	179	765.9	20.1	30	
2,4-DB	154	23.8	190.8	0	80.7	5.57	160	215.4	33.2	30	R
MCPP	721	4,200	953.9	0	75.6	5	174	892.9	21.3	30	
MCPA	691	2,670	953.9	0	72.5	5	154	865.5	22.4	30	
Picloram	77.8	47.7	190.8	0	40.8	5	139	109.3	33.6	30	
Bentazon	154	33.4	190.8	0	80.6	5.31	146	200.5	26.4	30	R
Chloramben	111	19.1	190.8	0	58.4	5	134	138.9	21.9	30	
Acifluorfen	94.0	76.3	190.8	0	49.3	5	168	106.3	12.3	30	
3,5-Dichlorobenzoic acid	143	38.2	190.8	0	74.8	6.99	144	177.4	21.7	30	
4-Nitrophenol	133	28.6	190.8	0	69.9	10.2	139	160.1	18.2	30	
Dacthal (DCPA)	51.6	28.6	190.8	0	27.1	5	156	58.14	11.9	30	
Surr: 2,4-Dichlorophenylacetic acid	797		953.9		83.6	15.3	163		0		

NOTES:

R - High RPD observed, spike recovery is within range.



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Organophosphorus Pesticides by EPA Method 8270-SIM

Sample ID: MBLK-28540	SampType: MBLK	Units: µg/Kg			Prep Date: 6/3/2020			RunNo: 59731			
Client ID: MBLKS	Batch ID: 28540				Analysis Date: 6/9/2020			SeqNo: 1195293			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DDVP	ND	50.0									
Mevinphos	ND	50.0									
TEPP	ND	50.0									
Demeton, Total	ND	50.0									
Ethoprophos	ND	50.0									
Naled	ND	50.0									Q
Sulfotepp	ND	50.0									
Monocrotophos	ND	50.0									Q
Phorate	ND	50.0									
Dimethoate	ND	50.0									
Diazinon	ND	50.0									
Disulfoton	ND	50.0									
Parathion, methyl	ND	50.0									
Fenchorphos	ND	50.0									
Malathion	ND	50.0									
Dursban	ND	50.0									
Fenthion	ND	50.0									
Parathion	ND	50.0									
Trichloronate	ND	50.0									
Morphos	ND	50.0									
Stirophos	ND	50.0									
Prothiofos	ND	50.0									
Fensulfothion	ND	50.0									
Sulprofos	ND	50.0									
EPN	ND	50.0									
Guthion	ND	50.0									
Coumaphos	ND	50.0									
Surr: Triphenylphosphate	78.8		100.0		78.8	10.7	154				

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Organophosphorus Pesticides by EPA Method 8270-SIM

Sample ID: LCS-28540	SampType: LCS	Units: µg/Kg			Prep Date: 6/3/2020			RunNo: 59731			
Client ID: LCSS	Batch ID: 28540				Analysis Date: 6/9/2020			SeqNo: 1195294			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DDVP	9.93	50.0	20.00	0	49.7	7.85	133				
Mevinphos	126	50.0	20.00	0	63.0	28.7	131				
TEPP	87.0	50.0	20.00	0	43.5	5	119				
Demeton, Total	128	50.0	20.00	0	64.2	31.4	149				
Ethoprophos	112	50.0	20.00	0	56.2	31.9	144				
Naled	77.3	50.0	20.00	0	38.6	10	147				
Sulfotepp	142	50.0	20.00	0	71.1	26.9	144				
Monocrotophos	124	50.0	20.00	0	61.8	10	129				
Phorate	108	50.0	20.00	0	54.2	40.9	118				
Dimethoate	142	50.0	20.00	0	71.1	23.6	127				
Diazinon	120	50.0	20.00	0	59.9	37.1	132				
Disulfoton	115	50.0	20.00	0	57.4	37.9	122				
Parathion, methyl	121	50.0	20.00	0	60.7	16.8	143				
Fenchorphos	115	50.0	20.00	0	57.4	36.7	117				
Malathion	158	50.0	20.00	0	79.2	26.9	131				
Dursban	118	50.0	20.00	0	59.0	40.8	124				
Fenthion	124	50.0	20.00	0	62.2	36.6	127				
Parathion	156	50.0	20.00	0	77.8	37.6	129				
Trichloronate	120	50.0	20.00	0	60.3	41.5	123				
Morphos	87.0	50.0	20.00	0	43.5	10	122				
Stirophos	136	50.0	20.00	0	68.1	20.6	126				
Prothiofos	127	50.0	20.00	0	63.7	37.1	135				
Fensulfothion	147	50.0	20.00	0	73.6	14.6	152				
Sulprofos	128	50.0	20.00	0	64.0	34.6	137				
EPN	175	50.0	20.00	0	87.7	26.7	150				
Guthion	119	50.0	20.00	0	59.3	5	151				
Coumaphos	127	50.0	20.00	0	63.6	10	152				
Surr: Triphenylphosphate	84.6		100.0		84.6	10.7	154				



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Organophosphorus Pesticides by EPA Method 8270-SIM

Sample ID:	2005395-001CDUP	SampType:	DUP	Units:	µg/Kg-dry	Prep Date:	6/3/2020	RunNo:	59731		
Client ID:	SB-EP-5-1'	Batch ID:	28540			Analysis Date:	6/10/2020	SeqNo:	1195296		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DDVP	ND	51.3						0	0	30	
Mevinphos	ND	51.3						0	0	30	
TEPP	ND	51.3						0	0	30	
Demeton, Total	ND	51.3						0	0	30	
Ethoprophos	ND	51.3						0	0	30	
Naled	ND	51.3						0	0	30	Q
Sulfotepp	ND	51.3						0	0	30	
Monocrotophos	ND	51.3						0	0	30	Q
Phorate	ND	51.3						0	0	30	
Dimethoate	ND	51.3						0	0	30	
Diazinon	ND	51.3						0	0	30	
Disulfoton	ND	51.3						0	0	30	
Parathion, methyl	ND	51.3				5.601		200		30	
Fenchorphos	ND	51.3						0	0	30	
Malathion	ND	51.3						0	0	30	
Dursban	ND	51.3						0	0	30	
Fenthion	ND	51.3						0	0	30	
Parathion	ND	51.3						0	0	30	
Trichloronate	ND	51.3						0	0	30	
Morphos	ND	51.3						0	0	30	
Stirophos	ND	51.3						0	0	30	
Prothiofos	ND	51.3						0	0	30	
Fensulfothion	ND	51.3						0	0	30	
Sulprofos	ND	51.3						0	0	30	
EPN	ND	51.3						0	0	30	
Guthion	ND	51.3						0	0	30	
Coumaphos	ND	51.3						0	0	30	
Surr: Triphenylphosphate	75.4		102.7		73.4	10.7	154		0		

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Organophosphorus Pesticides by EPA Method 8270-SIM

Sample ID: 2005395-001CMS	SampType: MS	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59731			
Client ID: SB-EP-5-1'	Batch ID: 28540				Analysis Date: 6/10/2020			SeqNo: 1195297			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DDVP	8.74	56.9	22.76	0	38.4	5	138				
Mevinphos	11.3	56.9	22.76	0	49.7	5	148				
TEPP	0.00	56.9	22.76	0	0	5	121				S
Demeton, Total	12.4	56.9	22.76	0	54.6	24.3	141				
Ethoprophos	11.8	56.9	22.76	0	52.0	13.2	145				
Naled	9.81	56.9	22.76	0	43.1	5	121				
Sulfotepp	12.2	56.9	22.76	0	53.6	26.8	120				
Monocrotophos	2.12	56.9	22.76	0	9.32	5	196				
Phorate	12.5	56.9	22.76	0	54.8	29.4	122				
Dimethoate	10.3	56.9	22.76	0	45.4	5	161				
Diazinon	12.0	56.9	22.76	0	52.6	9.74	142				
Disulfoton	12.5	56.9	22.76	0	54.8	23.9	137				
Parathion, methyl	13.1	56.9	22.76	5.601	33.0	5.64	177				
Fenchorphos	12.4	56.9	22.76	0	54.6	25.3	131				
Malathion	13.6	56.9	22.76	0	59.9	23.5	121				
Dursban	12.4	56.9	22.76	0	54.4	28.2	128				
Fenthion	12.9	56.9	22.76	0	56.7	24.2	136				
Parathion	14.3	56.9	22.76	0	63.0	5	173				
Trichloronate	12.9	56.9	22.76	0	56.6	28.5	122				
Morphos	0.00	56.9	22.76	0	0	5	90.1				S
Stirophos	19.0	56.9	22.76	0	83.4	9.46	152				
Prothiofos	13.6	56.9	22.76	0	59.7	23.7	157				
Fensulfothion	18.6	56.9	22.76	0	81.6	5	174				
Sulprofos	14.2	56.9	22.76	0	62.4	12	173				
EPN	17.6	56.9	22.76	0	77.4	13.8	157				
Guthion	26.9	56.9	22.76	0	118	5	177				
Coumaphos	26.4	56.9	22.76	0	116	5	232				
Surr: Triphenylphosphate	80.4		113.8		70.7	10.7	154				

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.



Date: 6/18/2020

Work Order: 2005395
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Organophosphorus Pesticides by EPA Method 8270-SIM

Sample ID: 2005395-001CMSD	SampType: MSD	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59731			
Client ID: SB-EP-5-1'	Batch ID: 28540				Analysis Date: 6/10/2020			SeqNo: 1195298			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DDVP	7.16	58.4	23.35	0	30.7	5	138	8.738	19.8	30	
Mevinphos	12.5	58.4	23.35	0	53.5	5	148	11.32	9.91	30	
TEPP	0.00	58.4	23.35	0	0	5	121	0	0	30	S
Demeton, Total	16.3	58.4	23.35	0	69.7	24.3	141	12.42	26.8	30	
Ethoprophos	17.4	58.4	23.35	0	74.4	13.2	145	11.84	37.9	30	
Naled	4.35	58.4	23.35	0	18.6	5	121	9.806	77.2	30	
Sulfotepp	15.9	58.4	23.35	0	68.0	26.8	120	12.20	26.2	30	
Monocrotophos	5.42	58.4	23.35	0	23.2	5	196	2.123	87.5	30	
Phorate	17.4	58.4	23.35	0	74.6	29.4	122	12.48	33.0	30	
Dimethoate	11.5	58.4	23.35	0	49.1	5	161	10.33	10.5	30	
Diazinon	18.7	58.4	23.35	0	80.1	9.74	142	11.97	44.0	30	
Disulfoton	17.1	58.4	23.35	0	73.5	23.9	137	12.46	31.8	30	
Parathion, methyl	19.3	58.4	23.35	5.601	58.6	5.64	177	13.11	38.1	30	
Fenchorphos	18.7	58.4	23.35	0	80.3	25.3	131	12.42	40.6	30	
Malathion	17.2	58.4	23.35	0	73.9	23.5	121	13.63	23.4	30	
Dursban	19.9	58.4	23.35	0	85.2	28.2	128	12.39	46.5	30	
Fenthion	19.5	58.4	23.35	0	83.5	24.2	136	12.91	40.6	30	
Parathion	19.4	58.4	23.35	0	82.9	5	173	14.33	29.9	30	
Trichloronate	20.4	58.4	23.35	0	87.5	28.5	122	12.89	45.2	30	
Morphos	0.00	58.4	23.35	0	0	5	90.1	0	0	30	S
Stirophos	26.3	58.4	23.35	0	112	9.46	152	18.97	32.2	30	
Prothiofos	21.9	58.4	23.35	0	93.8	23.7	157	13.60	46.8	30	
Fensulfothion	26.2	58.4	23.35	0	112	5	174	18.57	34.2	30	
Sulprofos	22.4	58.4	23.35	0	95.9	12	173	14.20	44.8	30	
EPN	24.0	58.4	23.35	0	103	13.8	157	17.61	30.8	30	
Guthion	37.2	58.4	23.35	0	159	5	177	26.90	32.2	30	
Coumaphos	39.4	58.4	23.35	0	169	5	232	26.41	39.4	30	
Surr: Triphenylphosphate	103		116.8		88.2	10.7	154		0		

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.



Sample Log-In Check List

Client Name: **ATC**

Work Order Number: **2005395**

Logged by: **Carissa True**

Date Received: **5/28/2020 5:51:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Cooler 1	3.1
Sample 1	2.1
Temp Blank 1	4.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement		
Laboratory Project No (internal): 7D5345		
Date:	05-28-20	Page: 1 of 3
Project Name:	NPPANZ20023	
Project No:		
Collected by:	B. Gourley / A. Degefra	
Location:	DuPont, WA	
Report To (PM):	E. Silver	
PM Email:	Elisabeth.Silver@atcgs.com	
Sample Disposal: <input type="checkbox"/> Return to client <input type="checkbox"/> Disposal by lab (after 30 days) <i>Re-samples analyzed</i>		

Re-samples analyzed

114 of 119

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	Comments												
				VOCS (EPA 8260/624)	GK/BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCS (EPA 8270/625)	PAHs (EPA 8270- SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions ((C)***)	EDB (801.1)	Organochlorine Pest by 8008
SB-EP-5-1'	05/28/20	1005	Soil	X	X	X	X	X	X	X	X	(RCRA 8)				
SB-EP-5-5'		1010				X	X	X	X	X	X	(RCRA 8)				
SB-EP-5-45.5'		1015		X												
SB-EP-4-1'		1055				X	X	X	X	X	X	(RCRA 8)				
SB-EP-4-2.5'		1105				X	X	X	X	X	X	Pb + As				
SB-EP-4-2'		1110				X	X	X	X	X	X					
SB-EP-1-2'		1150		X												
SB-EP-2-1'		1200		X		X	X	X	X	X	X	(RCRA 8)				
SB-EP-2-3'		1205		X		X	X	X	X	X	X	(RCRA 8)				
SB-EP-2-3.5'		1210		X	T							Pb + As				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 (RCRA-8) Priority Pollutants TAL: Individual: Ag Al (Pb) B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni (Pb) Sb Se Sr Sn Ti Ti U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished

Date/Time

5-28-20

Received

Date/Time

5/28/20

Turn-around Time:
 Standard
 3 Day
 2 Day
 Next Day
 Same Day _____ (specify)

Date/Time

1730

Received

Date/Time

x



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Project No.: NPPAN20023
Project Name: Panattoni NW Logistics Ctr.

Client: ATC

Address:

City, State, Zip:

Telephone:

Fax:

Laboratory Project No (internal): 1005296
Special Remarks:

Date: 05-28-2020 Page: 2 of 3
Turn-around Time: Standard
 3 Day
 2 Day
 Next Day
 Same Day _____ (specify) _____
 115 of 119

Project No.: NPPAN20023
Project Name: Panattoni NW Logistics Ctr.

Collected by: B. Goulet /A. Deyefra
Location: DuPont, WA
Report To (PM): E. Silver

PM Email: PMEmail: 1005296@fremontanalytical.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name Sample Date Sample Time Sample Type (Matrix)*

Comments

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	Comments
SB-EP-1-6 ¹	5/28/20	1305	SO ₂ (1)	X
SB-EP-1-6.5 ¹		1310	1430	X T
SB-EP-3-6 ¹		1335		X X X
SB-EP-3-6.5 ¹		1340		X T
SB-6-1 ¹		1430		X T
SB-7-1.5 ¹		1440		X T
SB-8-0.5 ¹		1500	X	X T
SB-B-3 ¹		1510		X T
SB-q-1 ¹		1515		Pb + As

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 (RCRA-8) Priority Pollutants TAI Individual: Ag Al (Pb) Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb (Pb) Sb Se Sr Sn Ti Ti U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished

Date/Time

5-28-20

Received

Date/Time

5/28/20 17:51

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished

Date/Time

1730

Received

Date/Time

5/28/20 17:51



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 05-28-2020 Page: 3 of 3

Laboratory Project No (internal):
20052315
Special Remarks:

116 of 119

Client: ATC Env.	Address:
City, State, Zip:	Telephone:
Fax:	
Project No: NPPAN20023	Project Name: Panattoni, NW Logistics Ctr.
Collected by: B - Goulet /A. Degerer	location:
Report To (PM): E. Silver	Sample Disposal: <input type="checkbox"/> Return to client <input type="checkbox"/> Disposal by lab (after 30 days)
PM Email:	

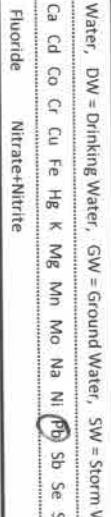
Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	Comments
SB-10-1.5'	05/28/20	1525	soil	X T
SB-11-2'		1540		X T
SB-12-2.5'		1555		X T
SB-13-1.5'		1610		X T
5				
6				
7				
8				
9				
10				
				As + Pb
				Turn-around Time: <input checked="" type="checkbox"/> Standard
				<input type="checkbox"/> 3 Day
				<input type="checkbox"/> 2 Day
				<input type="checkbox"/> Next Day
				Same Day _____ (specify)

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAI Individual: Ag Al B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Ti U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Date/Time 5-28-20 Received 
Date/Time 5/28/20 1751 Received
Relinquished 
Relinquished 

Turn-around Time:
 3 Day
 2 Day
 Next Day
 Same Day _____
(specify)



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Client: ATC Group Services LLC
Address: 6347 Seaview Ave NW
City, State, Zip: Seattle, WA 98107
Telephone: (206) 781-1449

Fax:

PM Email:

Elisabeth.Silver@atcgs.com

Project No.: NPPANZ20023
Collected by: B. Goulet / A. Degefa
Location: DuPont, WA
Report To (PM): E. Silver

Sample Disposal: Return to client Disposal by lab (after 30 days)

for
Re-samples analyzed

Chain of Custody Record & Laboratory Services Agreement

Laboratory Project No (internal): 7D5245
Special Remarks:

117 of 119

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	Comments												
				VOCS (EPA 8260/1624)	GK/BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCS (EPA 8270/1625)	PAHs (EPA 8270-1625)	PCBs (EPA 8082/1608)	Metals** (EPA 6020/2008)	Total (T) / Dissolved (D)	Anions ((Cl)***)	EDB (8013)	Organochlorine Pest by 8008
SB-EP-5-1'	05/28/20	1005	Soil	X	X	X	X	X	X	X	X	(RCRA 0)				
SB-EP-5-5'		1010														
SB-EP-5- 4.5 5.5'		1015		X		X	X	X	X	X	X	(RCRA 0)				
SB-EP-4-1'		1020														
SB-EP-4-2.5'		1105														
SB-EP-4-2'		1110														
SB-EP-1-2'		1150		X		X	X	X	X	X	X	(RCRA 0)				
SB-EP-2-1'		1200		X		X	X	X	X	X	X	(RCRA 0)				
SB-EP-2-3'		1205		X		X	X	X	X	X	X	Pb + As				
SB-EP-2-3.5'		1210		X		T										

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 (RCRA-8) Priority Pollutants TAL: Individual: Ag Al (Pb) B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni (Pb) Sb Se Sr Sn Ti Ti U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished

Date/Time

5-28-20

Received

Date/Time

5/28/20 1751

Turn-around Time:

Standard



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

118 of 119
105296

Client: **ATC**
Address:
City, State, Zip:
Telephone:
Fax:

Project No.: **NPPAN20023**

Project No.:
Collected by: **B. Goulet / A. Deyefra**
Location: **DuPont, WA**
Report To (PM): **E. Silver**

PM Email:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Date: **05 - 28 - 2020** Page: **2** of: **3**
Special Remarks:

Project Name: **Pavation, NW Logistics Ctr.**

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	Comments
SB-EP-1-6'	5/28/20	1305	SO₂	X
SB-EP-1-6.5'		1310	NO_x	X
SB-EP-3-6.5'		1335	NO_x	X
SB-EP-3-6.5'		1340	NO_x	X
SB-6-1'		1430	NO_x	X
SB-7-1.5'		1440	NO_x	X
SB-8-0.5'		1500	NO_x	X
SB-B-3'		1510	NO_x	X
SB-q-1'		1515	NO_x	

VOCS (EPA 8260/8264)
GX/BTEX
BTEX
Gasoline Range Organics (GX)
Hydrocarbon Identification (HCID)
Diesel/Heavy Oil Range Organics (DX)
SVOCs (EPA 8270/8275)
PAHs (EPA 8270 - SIM)
PCBs (EPA 8082 / 608)
Metals** (EPA 6020 / 200.8)
Total (T) / Dissolved (D)
Anions (IC)***
EDB (8013)
Organochlor. Pest by EOCs,
Organophos. Pest by EOCs,
Chlorinated Herb. by EOCs,
Pb + As

Comments

Pb + As

(PCA 8)

Pb + As

(PCA 8)

Pb + As

Turn-around Time:

X Standard

3 Day

2 Day

Next Day

Same Day _____
(specify)

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 (RCRA-8) Priority Pollutants TAI Individual: Ag Al (Pb) Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb (Pb) Sb Se Sr Sn Ti Ti U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished *[Signature]* Date/Time **5-28-20** Received *[Signature]* Date/Time **5/28/20 17:51**

Relinquished *[Signature]* Date/Time **1730** Received *[Signature]* Date/Time **5/28/2020**



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Laboratory Project No (internal):
20052315

Special Remarks:

119 of 119

Client: **ATC Env.**
Address:

City, State, Zip:

Telephone:

Fax:

PM Email:

Date: **05-28-2020** Page: **3** of: **3**

Project No: **NPPAN20023**

Project Name: **Panatori, NW Logistics Ctr.**

Collected by: **B - Goulet /A. Deger**

Location:

Report To (PM): **E. Silver**

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	Comments
SB-10-1.5'	05/28/20	1525	soil	X T
SB-11-2'		1540		X T
SB-12-2.5'		1555		X T
SB-13-1.5'		1610		X T
5				
6				
7				
8				
9				
10				

Turn-around Time:
 Standard
 3 Day
 2 Day
 Next Day
 Same Day
(specify)

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAI Individual: Ag Al B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Ti U V Zn
***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished

Date/Time

5-28-20

Received

x

Date/Time

5/28/20 1751

Date/Time

5/28/20 1751

Received

x

Date/Time

5/28/20 1751

Date/Time

Same Day

(specify)



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

ATC Group Services, Inc.

Elisabeth Silver
6347 Seaview Ave NW
Seattle, WA 98107

RE: Panattoni, NW Logistics Ctr

Work Order Number: 2006001

June 15, 2020

Attention Elisabeth Silver:

Fremont Analytical, Inc. received 29 sample(s) on 5/29/2020 for the analyses presented in the following report.

Herbicides by EPA Method 8151A (Mod)

Hexavalent Chromium by EPA Method 7196

Hydrocarbon Identification by NWTPH-HCID

Mercury by EPA Method 7471

Organochlorine Pesticides by EPA Method 8081

Organophosphorus Pesticides by EPA Method 8270-SIM

Sample Moisture (Percent Moisture)

Semi-Volatile Organic Compounds by EPA Method 8270

Total Metals by EPA Method 6020B

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in blue ink, appearing to read "Elisabeth Silver".

*DoD/ELAP Certification #L17-135, ISO/IEC 17025:2005
ORELAP Certification: WA 100009-007 (NELAP Recognized)*

Brianna Barnes
Project Manager

*DoD/ELAP Certification #L17-135, ISO/IEC 17025:2005
ORELAP Certification: WA 100009-007 (NELAP Recognized)*



Date: 06/15/2020

CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr
Work Order: 2006001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2006001-001	SB-14-6'	05/29/2020 8:45 AM	05/29/2020 6:15 PM
2006001-002	SB-16-1'	05/29/2020 9:50 AM	05/29/2020 6:15 PM
2006001-003	SB-16-5'	05/29/2020 9:55 AM	05/29/2020 6:15 PM
2006001-004	SB-16-5.5'	05/29/2020 9:55 AM	05/29/2020 6:15 PM
2006001-005	SB-17-5'	05/29/2020 9:50 AM	05/29/2020 6:15 PM
2006001-006	SB-15-5'	05/29/2020 9:00 AM	05/29/2020 6:15 PM
2006001-007	SB-18-3.5'	05/29/2020 10:50 AM	05/29/2020 6:15 PM
2006001-008	SB-19-3'	05/29/2020 10:10 AM	05/29/2020 6:15 PM
2006001-009	SB-20-2'	05/29/2020 10:40 AM	05/29/2020 6:15 PM
2006001-010	SB-20-3'	05/29/2020 10:40 AM	05/29/2020 6:15 PM
2006001-011	SB-20-3.5'	05/29/2020 10:40 AM	05/29/2020 6:15 PM
2006001-012	SB-21-4'	05/29/2020 10:50 AM	05/29/2020 6:15 PM
2006001-013	SB-22-3.5'	05/29/2020 11:00 AM	05/29/2020 6:15 PM
2006001-014	SB-23-3'	05/29/2020 11:15 AM	05/29/2020 6:15 PM
2006001-015	SB-24-1.5'	05/29/2020 11:35 AM	05/29/2020 6:15 PM
2006001-016	SB-24-3.5'	05/29/2020 11:35 AM	05/29/2020 6:15 PM
2006001-017	SB-24-4'	05/29/2020 11:35 AM	05/29/2020 6:15 PM
2006001-018	SB-25-0.5'	05/29/2020 12:40 PM	05/29/2020 6:15 PM
2006001-019	SB-25-1'	05/29/2020 12:40 PM	05/29/2020 6:15 PM
2006001-020	SB-26-0.5'	05/29/2020 12:55 PM	05/29/2020 6:15 PM
2006001-021	SB-27-1'	05/29/2020 1:00 PM	05/29/2020 6:15 PM
2006001-022	SB-28-2.5'	05/29/2020 1:15 PM	05/29/2020 6:15 PM
2006001-023	SB-29-2.5'	05/29/2020 1:30 PM	05/29/2020 6:15 PM
2006001-024	SB-30-2.5'	05/29/2020 1:35 PM	05/29/2020 6:15 PM
2006001-025	SB-31-3.5'	05/29/2020 2:00 PM	05/29/2020 6:15 PM
2006001-026	SB-32-3'	05/29/2020 2:10 PM	05/29/2020 6:15 PM
2006001-027	SB-33-4'	05/29/2020 2:20 PM	05/29/2020 6:15 PM
2006001-028	SB-16-3'	05/29/2020 2:25 PM	05/29/2020 6:15 PM
2006001-029	SB-16-3.5'	05/29/2020 2:25 PM	05/29/2020 6:15 PM



Case Narrative

WO#: 2006001

Date: 6/15/2020

CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 8:45:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-001

Matrix: Soil

Client Sample ID: SB-14-6'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28562 Analyst: CO

Arsenic	3.85	0.202	mg/Kg-dry	1	6/5/2020 3:31:26 PM
Lead	2.19	0.161	mg/Kg-dry	1	6/5/2020 3:31:26 PM

Sample Moisture (Percent Moisture) Batch ID: R59611 Analyst: EH

Percent Moisture	3.19	0.500	wt%	1	6/5/2020 9:15:36 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 9:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-002

Matrix: Soil

Client Sample ID: SB-16-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organochlorine Pesticides by EPA Method 8081 Batch ID: 28547 Analyst: DW

Toxaphene	ND	0.0945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
Alpha BHC	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
Beta BHC	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
Gamma BHC (Lindane)	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
Delta BHC	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
Heptachlor	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
Aldrin	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
Heptachlor epoxide	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
gamma-Chlordane	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
Endosulfan I	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
alpha-Chlordane	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
Dieldrin	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
4,4'-DDE	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
Endrin	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
Endosulfan II	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
4,4'-DDD	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
Endrin aldehyde	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
Endosulfan sulfate	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
4,4'-DDT	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
Endrin ketone	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
Methoxychlor	ND	0.00945	mg/Kg-dry	1	6/5/2020 2:24:43 PM
Surr: Decachlorobiphenyl	118	27 - 166	%Rec	1	6/5/2020 2:24:43 PM
Surr: Tetrachloro-m-xylene	89.3	28.1 - 171	%Rec	1	6/5/2020 2:24:43 PM

Hydrocarbon Identification by NWTPH-HCID Batch ID: 28524 Analyst: DW

Gasoline	ND	17.7	mg/Kg-dry	1	6/3/2020 7:30:56 PM
Mineral Spirits	ND	26.6	mg/Kg-dry	1	6/3/2020 7:30:56 PM
Kerosene	ND	44.3	mg/Kg-dry	1	6/3/2020 7:30:56 PM
Diesel (Fuel Oil)	ND	44.3	mg/Kg-dry	1	6/3/2020 7:30:56 PM
Heavy Oil	ND	88.7	mg/Kg-dry	1	6/3/2020 7:30:56 PM
Mineral Oil	ND	88.7	mg/Kg-dry	1	6/3/2020 7:30:56 PM
Surr: 2-Fluorobiphenyl	78.0	50 - 150	%Rec	1	6/3/2020 7:30:56 PM
Surr: o-Terphenyl	88.8	50 - 150	%Rec	1	6/3/2020 7:30:56 PM

Herbicides by EPA Method 8151A (Mod) Batch ID: 28601 Analyst: SB

Dicamba	ND	35.5	µg/Kg-dry	1	6/12/2020 6:45:39 PM
2,4-D	ND	30.4	µg/Kg-dry	1	6/12/2020 6:45:39 PM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 9:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-002

Matrix: Soil

Client Sample ID: SB-16-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Herbicides by EPA Method 8151A (Mod)				Batch ID: 28601		Analyst: SB
2,4-DP	ND	25.4		µg/Kg-dry	1	6/12/2020 6:45:39 PM
2,4,5-TP (Silvex)	ND	20.3		µg/Kg-dry	1	6/12/2020 6:45:39 PM
2,4,5-T	ND	50.7		µg/Kg-dry	1	6/12/2020 6:45:39 PM
Dinoseb	ND	30.4		µg/Kg-dry	1	6/12/2020 6:45:39 PM
Dalapon	ND	203		µg/Kg-dry	1	6/12/2020 6:45:39 PM
2,4-DB	ND	25.4		µg/Kg-dry	1	6/12/2020 6:45:39 PM
MCPP	ND	4,460		µg/Kg-dry	1	6/12/2020 6:45:39 PM
MCPA	ND	2,840		µg/Kg-dry	1	6/12/2020 6:45:39 PM
Picloram	ND	50.7	Q	µg/Kg-dry	1	6/12/2020 6:45:39 PM
Bentazon	ND	35.5		µg/Kg-dry	1	6/12/2020 6:45:39 PM
Chloramben	ND	20.3		µg/Kg-dry	1	6/12/2020 6:45:39 PM
Acifluorfen	ND	81.1		µg/Kg-dry	1	6/12/2020 6:45:39 PM
3,5-Dichlorobenzoic acid	ND	40.6		µg/Kg-dry	1	6/12/2020 6:45:39 PM
4-Nitrophenol	ND	30.4		µg/Kg-dry	1	6/12/2020 6:45:39 PM
Dacthal (DCPA)	ND	30.4		µg/Kg-dry	1	6/12/2020 6:45:39 PM
Surr: 2,4-Dichlorophenylacetic acid	90.4	15.3 - 163		%Rec	1	6/12/2020 6:45:39 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Organophosphorus Pesticides by EPA Method 8270-SIM		Batch ID: 28540	Analyst: SB
---	--	-----------------	-------------

DDVP	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Mevinphos	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
TEPP	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Demeton, Total	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Ethoprophos	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Naled	ND	49.9	Q	µg/Kg-dry	1	6/10/2020 3:42:06 AM
Sulfotepp	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Monocrotophos	ND	49.9	Q	µg/Kg-dry	1	6/10/2020 3:42:06 AM
Phorate	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Dimethoate	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Diazinon	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Disulfoton	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Parathion, methyl	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Fenchlorphos	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Malathion	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Dursban	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Fenthion	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Parathion	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 9:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-002

Matrix: Soil

Client Sample ID: SB-16-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organophosphorus Pesticides by EPA Method 8270-SIM

Trichloronate	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Merphos	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Stirophos	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Prothiofos	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Fensulfothion	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Sulprofos	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
EPN	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Guthion	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Coumaphos	ND	49.9		µg/Kg-dry	1	6/10/2020 3:42:06 AM
Surr: Triphenylphosphate	96.2	10.7 - 154		%Rec	1	6/10/2020 3:42:06 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Semi-Volatile Organic Compounds by EPA Method 8270

Batch ID: 28538 Analyst: SB

Phenol	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Bis(2-chloroethyl) ether	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
2-Chlorophenol	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
1,3-Dichlorobenzene	ND	73.0		µg/Kg-dry	1	6/5/2020 5:53:08 PM
1,4-Dichlorobenzene	ND	73.0		µg/Kg-dry	1	6/5/2020 5:53:08 PM
1,2-Dichlorobenzene	ND	73.0		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Benzyl alcohol	ND	97.3	Q	µg/Kg-dry	1	6/5/2020 5:53:08 PM
2-Methylphenol (o-cresol)	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Hexachloroethane	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
N-Nitrosodi-n-propylamine	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
3&4-Methylphenol (m, p-cresol)	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Nitrobenzene	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Isophorone	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
2-Nitrophenol	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
2,4-Dimethylphenol	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Bis(2-chloroethoxy)methane	ND	73.0		µg/Kg-dry	1	6/5/2020 5:53:08 PM
2,4-Dichlorophenol	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
1,2,4-Trichlorobenzene	ND	73.0		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Naphthalene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
4-Chloroaniline	ND	73.0		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Hexachlorobutadiene	ND	73.0		µg/Kg-dry	1	6/5/2020 5:53:08 PM
4-Chloro-3-methylphenol	ND	195		µg/Kg-dry	1	6/5/2020 5:53:08 PM
2-Methylnaphthalene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
1-Methylnaphthalene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 9:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-002

Matrix: Soil

Client Sample ID: SB-16-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID:	28538	Analyst: SB
Hexachlorocyclopentadiene	ND	97.3	Q	µg/Kg-dry	1	6/5/2020 5:53:08 PM
2,4,6-Trichlorophenol	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
2,4,5-Trichlorophenol	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
2-Chloronaphthalene	ND	73.0		µg/Kg-dry	1	6/5/2020 5:53:08 PM
2-Nitroaniline	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Acenaphthene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Dimethylphthalate	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
2,6-Dinitrotoluene	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Acenaphthylene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
2,4-Dinitrophenol	ND	511	Q	µg/Kg-dry	1	6/5/2020 5:53:08 PM
Dibenzofuran	ND	73.0		µg/Kg-dry	1	6/5/2020 5:53:08 PM
2,4-Dinitrotoluene	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
4-Nitrophenol	ND	486		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Fluorene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
4-Chlorophenyl phenyl ether	ND	73.0		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Diethylphthalate	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
4,6-Dinitro-2-methylphenol	ND	195	Q	µg/Kg-dry	1	6/5/2020 5:53:08 PM
4-Bromophenyl phenyl ether	ND	73.0		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Hexachlorobenzene	ND	73.0		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Pentachlorophenol	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Phenanthrene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Anthracene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Carbazole	ND	73.0		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Di-n-butylphthalate	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Fluoranthene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Pyrene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Butyl Benzylphthalate	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
bis(2-Ethylhexyl)adipate	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Benz(a)anthracene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Chrysene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
bis (2-Ethylhexyl) phthalate	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Di-n-octyl phthalate	ND	97.3		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Benzo(b)fluoranthene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Benzo(k)fluoranthene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Benzo(a)pyrene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Indeno(1,2,3-cd)pyrene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Dibenz(a,h)anthracene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Benzo(g,h,i)perylene	ND	48.6		µg/Kg-dry	1	6/5/2020 5:53:08 PM
Surr: 2,4,6-Tribromophenol	76.4	5 - 139	%Rec	1		6/5/2020 5:53:08 PM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 9:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-002

Matrix: Soil

Client Sample ID: SB-16-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID:	28538	Analyst: SB
Surr: 2-Fluorobiphenyl	81.4	5 - 131		%Rec	1	6/5/2020 5:53:08 PM
Surr: Nitrobenzene-d5	72.8	5 - 123		%Rec	1	6/5/2020 5:53:08 PM
Surr: Phenol-d6	75.0	5 - 129		%Rec	1	6/5/2020 5:53:08 PM
Surr: p-Terphenyl	84.6	13.8 - 140		%Rec	1	6/5/2020 5:53:08 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Volatile Organic Compounds by EPA Method 8260D				Batch ID:	28544	Analyst: KT
---	--	--	--	-----------	-------	-------------

Dichlorodifluoromethane (CFC-12)	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Chloromethane	ND	0.0542	Q	mg/Kg-dry	1	6/6/2020 1:30:30 AM
Vinyl chloride	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Bromomethane	ND	0.0542	Q	mg/Kg-dry	1	6/6/2020 1:30:30 AM
Trichlorofluoromethane (CFC-11)	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Chloroethane	ND	0.0542	Q	mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,1-Dichloroethene	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Methylene chloride	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
trans-1,2-Dichloroethene	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Methyl tert-butyl ether (MTBE)	ND	0.0542		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,1-Dichloroethane	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
cis-1,2-Dichloroethene	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Chloroform	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,1,1-Trichloroethane (TCA)	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,1-Dichloropropene	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Carbon tetrachloride	ND	0.0542		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,2-Dichloroethane (EDC)	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Benzene	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Trichloroethene (TCE)	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,2-Dichloropropane	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Bromodichloromethane	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Dibromomethane	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
cis-1,3-Dichloropropene	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Toluene	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
trans-1,3-Dichloropropylene	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,1,2-Trichloroethane	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,3-Dichloropropane	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Tetrachloroethene (PCE)	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Dibromochloromethane	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,2-Dibromoethane (EDB)	ND	0.00542		mg/Kg-dry	1	6/6/2020 1:30:30 AM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 9:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-002

Matrix: Soil

Client Sample ID: SB-16-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 28544 Analyst: KT

Chlorobenzene	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,1,1,2-Tetrachloroethane	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Ethylbenzene	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
m,p-Xylene	ND	0.0542		mg/Kg-dry	1	6/6/2020 1:30:30 AM
o-Xylene	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Styrene	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Isopropylbenzene	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Bromoform	ND	0.0542		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,1,2,2-Tetrachloroethane	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
n-Propylbenzene	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Bromobenzene	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,3,5-Trimethylbenzene	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
2-Chlorotoluene	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
4-Chlorotoluene	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
tert-Butylbenzene	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,2,3-Trichloropropane	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,2,4-Trichlorobenzene	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
sec-Butylbenzene	ND	0.0542		mg/Kg-dry	1	6/6/2020 1:30:30 AM
4-Isopropyltoluene	ND	0.0542		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,3-Dichlorobenzene	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,4-Dichlorobenzene	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
n-Butylbenzene	ND	0.0271		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,2-Dichlorobenzene	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,2-Dibromo-3-chloropropane	ND	0.542	Q	mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,2,4-Trimethylbenzene	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Hexachloro-1,3-butadiene	ND	0.0542		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Naphthalene	ND	0.0542		mg/Kg-dry	1	6/6/2020 1:30:30 AM
1,2,3-Trichlorobenzene	ND	0.0217		mg/Kg-dry	1	6/6/2020 1:30:30 AM
Surr: Dibromofluoromethane	84.3	83.3 - 111		%Rec	1	6/6/2020 1:30:30 AM
Surr: Toluene-d8	92.9	87.9 - 111		%Rec	1	6/6/2020 1:30:30 AM
Surr: 1-Bromo-4-fluorobenzene	98.4	85.1 - 111		%Rec	1	6/6/2020 1:30:30 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 28516 Analyst: WF

Mercury	ND	0.243	mg/Kg-dry	1	6/3/2020 1:28:52 PM
---------	----	-------	-----------	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 9:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-002

Matrix: Soil

Client Sample ID: SB-16-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B				Batch ID: 28562	Analyst: CO	
Arsenic	4.59	0.199		mg/Kg-dry	1	6/5/2020 3:37:00 PM
Barium	75.5	0.399		mg/Kg-dry	1	6/5/2020 3:37:00 PM
Cadmium	ND	0.160		mg/Kg-dry	1	6/5/2020 3:37:00 PM
Chromium	25.0	0.0798		mg/Kg-dry	1	6/5/2020 3:37:00 PM
Lead	3.57	0.798	D	mg/Kg-dry	5	6/8/2020 11:21:42 AM
Selenium	1.30	0.399		mg/Kg-dry	1	6/5/2020 3:37:00 PM
Silver	ND	0.0798		mg/Kg-dry	1	6/5/2020 3:37:00 PM

Sample Moisture (Percent Moisture)				Batch ID: R59611	Analyst: EH	
Percent Moisture	2.85	0.500		wt%	1	6/5/2020 9:15:36 AM

Hexavalent Chromium by EPA Method 7196				Batch ID: 28617	Analyst: TN	
Chromium, Hexavalent	ND	0.497		mg/Kg-dry	1	6/10/2020 1:17:00 PM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 9:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-005

Matrix: Soil

Client Sample ID: SB-17-5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28562 Analyst: CO

Arsenic	9.03	0.205	mg/Kg-dry	1	6/5/2020 3:42:33 PM
Lead	3.35	0.164	mg/Kg-dry	1	6/5/2020 3:42:33 PM

Sample Moisture (Percent Moisture) Batch ID: R59611 Analyst: EH

Percent Moisture	2.48	0.500	wt%	1	6/5/2020 9:15:36 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 9:00:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-006

Matrix: Soil

Client Sample ID: SB-15-5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28562 Analyst: CO

Arsenic	4.94	0.205	mg/Kg-dry	1	6/5/2020 3:48:07 PM
Lead	3.19	0.164	mg/Kg-dry	1	6/5/2020 3:48:07 PM

Sample Moisture (Percent Moisture) Batch ID: R59611 Analyst: EH

Percent Moisture	4.15	0.500	wt%	1	6/5/2020 9:15:36 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 10:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-007

Matrix: Soil

Client Sample ID: SB-18-3.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28562 Analyst: CO

Arsenic	2.96	0.187	mg/Kg-dry	1	6/5/2020 3:53:40 PM
Lead	2.31	0.149	mg/Kg-dry	1	6/5/2020 3:53:40 PM

Sample Moisture (Percent Moisture) Batch ID: R59611 Analyst: EH

Percent Moisture	3.01	0.500	wt%	1	6/5/2020 9:15:36 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 10:10:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-008

Matrix: Soil

Client Sample ID: SB-19-3'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28562 Analyst: CO

Arsenic	4.92	0.202	mg/Kg-dry	1	6/5/2020 3:59:13 PM
Lead	2.10	0.162	mg/Kg-dry	1	6/5/2020 3:59:13 PM

Sample Moisture (Percent Moisture) Batch ID: R59611 Analyst: EH

Percent Moisture	4.94	0.500	wt%	1	6/5/2020 9:15:36 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 10:40:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-009

Matrix: Soil

Client Sample ID: SB-20-2'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organochlorine Pesticides by EPA Method 8081

				Batch ID:	28547	Analyst:	DW
Toxaphene	ND	0.101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
Alpha BHC	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
Beta BHC	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
Gamma BHC (Lindane)	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
Delta BHC	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
Heptachlor	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
Aldrin	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
Heptachlor epoxide	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
gamma-Chlordane	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
Endosulfan I	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
alpha-Chlordane	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
Dieldrin	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
4,4'-DDE	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
Endrin	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
Endosulfan II	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
4,4'-DDD	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
Endrin aldehyde	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
Endosulfan sulfate	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
4,4'-DDT	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
Endrin ketone	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
Methoxychlor	ND	0.0101		mg/Kg-dry	1	6/5/2020	5:29:02 PM
Surr: Decachlorobiphenyl	109	27 - 166		%Rec	1	6/5/2020	5:29:02 PM
Surr: Tetrachloro-m-xylene	95.1	28.1 - 171		%Rec	1	6/5/2020	5:29:02 PM

Hydrocarbon Identification by NWTPH-HCID

				Batch ID:	28524	Analyst:	DW
Gasoline	ND	20.0		mg/Kg-dry	1	6/3/2020	8:00:43 PM
Mineral Spirits	ND	30.0		mg/Kg-dry	1	6/3/2020	8:00:43 PM
Kerosene	ND	49.9		mg/Kg-dry	1	6/3/2020	8:00:43 PM
Diesel (Fuel Oil)	ND	49.9		mg/Kg-dry	1	6/3/2020	8:00:43 PM
Heavy Oil	ND	99.9		mg/Kg-dry	1	6/3/2020	8:00:43 PM
Mineral Oil	ND	99.9		mg/Kg-dry	1	6/3/2020	8:00:43 PM
Surr: 2-Fluorobiphenyl	76.7	50 - 150		%Rec	1	6/3/2020	8:00:43 PM
Surr: o-Terphenyl	86.5	50 - 150		%Rec	1	6/3/2020	8:00:43 PM

Herbicides by EPA Method 8151A (Mod)

				Batch ID:	28601	Analyst:	SB
Dicamba	ND	34.5		µg/Kg-dry	1	6/12/2020	7:06:01 PM
2,4-D	ND	29.6		µg/Kg-dry	1	6/12/2020	7:06:01 PM

Original

18 of 113



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 10:40:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-009

Matrix: Soil

Client Sample ID: SB-20-2'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Herbicides by EPA Method 8151A (Mod) Batch ID: 28601 Analyst: SB

2,4-DP	ND	24.7		µg/Kg-dry	1	6/12/2020 7:06:01 PM
2,4,5-TP (Silvex)	ND	19.7		µg/Kg-dry	1	6/12/2020 7:06:01 PM
2,4,5-T	ND	49.3		µg/Kg-dry	1	6/12/2020 7:06:01 PM
Dinoseb	ND	29.6		µg/Kg-dry	1	6/12/2020 7:06:01 PM
Dalapon	ND	197		µg/Kg-dry	1	6/12/2020 7:06:01 PM
2,4-DB	ND	24.7		µg/Kg-dry	1	6/12/2020 7:06:01 PM
MCPP	ND	4,340		µg/Kg-dry	1	6/12/2020 7:06:01 PM
MCPA	ND	2,760		µg/Kg-dry	1	6/12/2020 7:06:01 PM
Picloram	ND	49.3	Q	µg/Kg-dry	1	6/12/2020 7:06:01 PM
Bentazon	ND	34.5		µg/Kg-dry	1	6/12/2020 7:06:01 PM
Chloramben	ND	19.7		µg/Kg-dry	1	6/12/2020 7:06:01 PM
Acifluorfen	ND	78.9		µg/Kg-dry	1	6/12/2020 7:06:01 PM
3,5-Dichlorobenzoic acid	ND	39.5		µg/Kg-dry	1	6/12/2020 7:06:01 PM
4-Nitrophenol	ND	29.6		µg/Kg-dry	1	6/12/2020 7:06:01 PM
Dacthal (DCPA)	ND	29.6		µg/Kg-dry	1	6/12/2020 7:06:01 PM
Surr: 2,4-Dichlorophenylacetic acid	86.1	15.3 - 163		%Rec	1	6/12/2020 7:06:01 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Organophosphorus Pesticides by EPA Method 8270-SIM Batch ID: 28540 Analyst: SB

DDVP	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Mevinphos	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
TEPP	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Demeton, Total	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Ethoprophos	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Naled	ND	43.5	Q	µg/Kg-dry	1	6/10/2020 4:04:34 AM
Sulfotepp	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Monocrotophos	ND	43.5	Q	µg/Kg-dry	1	6/10/2020 4:04:34 AM
Phorate	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Dimethoate	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Diazinon	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Disulfoton	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Parathion, methyl	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Fenchlorphos	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Malathion	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Dursban	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Fenthion	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Parathion	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 10:40:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-009

Matrix: Soil

Client Sample ID: SB-20-2'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organophosphorus Pesticides by EPA Method 8270-SIM

Trichloronate	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Merphos	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Stirophos	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Prothiofos	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Fensulfothion	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Sulprofos	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
EPN	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Guthion	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Coumaphos	ND	43.5		µg/Kg-dry	1	6/10/2020 4:04:34 AM
Surr: Triphenylphosphate	82.9	10.7 - 154		%Rec	1	6/10/2020 4:04:34 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Semi-Volatile Organic Compounds by EPA Method 8270

Batch ID: 28538 Analyst: SB

Phenol	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Bis(2-chloroethyl) ether	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
2-Chlorophenol	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
1,3-Dichlorobenzene	ND	72.4		µg/Kg-dry	1	6/5/2020 6:15:38 PM
1,4-Dichlorobenzene	ND	72.4		µg/Kg-dry	1	6/5/2020 6:15:38 PM
1,2-Dichlorobenzene	ND	72.4		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Benzyl alcohol	ND	96.6	Q	µg/Kg-dry	1	6/5/2020 6:15:38 PM
2-Methylphenol (o-cresol)	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Hexachloroethane	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
N-Nitrosodi-n-propylamine	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
3&4-Methylphenol (m, p-cresol)	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Nitrobenzene	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Isophorone	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
2-Nitrophenol	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
2,4-Dimethylphenol	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Bis(2-chloroethoxy)methane	ND	72.4		µg/Kg-dry	1	6/5/2020 6:15:38 PM
2,4-Dichlorophenol	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
1,2,4-Trichlorobenzene	ND	72.4		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Naphthalene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
4-Chloroaniline	ND	72.4		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Hexachlorobutadiene	ND	72.4		µg/Kg-dry	1	6/5/2020 6:15:38 PM
4-Chloro-3-methylphenol	ND	193		µg/Kg-dry	1	6/5/2020 6:15:38 PM
2-Methylnaphthalene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
1-Methylnaphthalene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 10:40:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-009

Matrix: Soil

Client Sample ID: SB-20-2'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Semi-Volatile Organic Compounds by EPA Method 8270						
				Batch ID: 28538		Analyst: SB
Hexachlorocyclopentadiene	ND	96.6	Q	µg/Kg-dry	1	6/5/2020 6:15:38 PM
2,4,6-Trichlorophenol	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
2,4,5-Trichlorophenol	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
2-Chloronaphthalene	ND	72.4		µg/Kg-dry	1	6/5/2020 6:15:38 PM
2-Nitroaniline	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Acenaphthene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Dimethylphthalate	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
2,6-Dinitrotoluene	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Acenaphthylene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
2,4-Dinitrophenol	ND	507	Q	µg/Kg-dry	1	6/5/2020 6:15:38 PM
Dibenzofuran	ND	72.4		µg/Kg-dry	1	6/5/2020 6:15:38 PM
2,4-Dinitrotoluene	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
4-Nitrophenol	ND	483		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Fluorene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
4-Chlorophenyl phenyl ether	ND	72.4		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Diethylphthalate	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
4,6-Dinitro-2-methylphenol	ND	193	Q	µg/Kg-dry	1	6/5/2020 6:15:38 PM
4-Bromophenyl phenyl ether	ND	72.4		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Hexachlorobenzene	ND	72.4		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Pentachlorophenol	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Phenanthrene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Anthracene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Carbazole	ND	72.4		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Di-n-butylphthalate	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Fluoranthene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Pyrene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Butyl Benzylphthalate	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
bis(2-Ethylhexyl)adipate	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Benz(a)anthracene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Chrysene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
bis (2-Ethylhexyl) phthalate	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Di-n-octyl phthalate	ND	96.6		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Benzo(b)fluoranthene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Benzo(k)fluoranthene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Benzo(a)pyrene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Indeno(1,2,3-cd)pyrene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Dibenz(a,h)anthracene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Benzo(g,h,i)perylene	ND	48.3		µg/Kg-dry	1	6/5/2020 6:15:38 PM
Surr: 2,4,6-Tribromophenol	67.2	5 - 139	%Rec	1		6/5/2020 6:15:38 PM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 10:40:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-009

Matrix: Soil

Client Sample ID: SB-20-2'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID:	28538	Analyst: SB
Surr: 2-Fluorobiphenyl	70.8	5 - 131	%Rec	1	6/5/2020 6:15:38 PM	
Surr: Nitrobenzene-d5	66.6	5 - 123	%Rec	1	6/5/2020 6:15:38 PM	
Surr: Phenol-d6	69.2	5 - 129	%Rec	1	6/5/2020 6:15:38 PM	
Surr: p-Terphenyl	85.2	13.8 - 140	%Rec	1	6/5/2020 6:15:38 PM	

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Volatile Organic Compounds by EPA Method 8260D				Batch ID:	28544	Analyst: KT
---	--	--	--	-----------	-------	-------------

Dichlorodifluoromethane (CFC-12)	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
Chloromethane	ND	0.0368	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
Vinyl chloride	ND	0.0184	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
Bromomethane	ND	0.0368	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
Trichlorofluoromethane (CFC-11)	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
Chloroethane	ND	0.0368	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
1,1-Dichloroethene	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
Methylene chloride	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
trans-1,2-Dichloroethene	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
Methyl tert-butyl ether (MTBE)	ND	0.0368	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
1,1-Dichloroethane	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
cis-1,2-Dichloroethene	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
Chloroform	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
1,1,1-Trichloroethane (TCA)	ND	0.0184	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
1,1-Dichloropropene	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
Carbon tetrachloride	ND	0.0368	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
1,2-Dichloroethane (EDC)	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
Benzene	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
Trichloroethene (TCE)	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
1,2-Dichloropropane	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
Bromodichloromethane	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
Dibromomethane	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
cis-1,3-Dichloropropene	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
Toluene	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
trans-1,3-Dichloropropylene	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
1,1,2-Trichloroethane	ND	0.0147	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
1,3-Dichloropropane	ND	0.0184	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
Tetrachloroethene (PCE)	ND	0.0184	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
Dibromochloromethane	ND	0.0184	mg/Kg-dry	1	6/8/2020 4:18:02 PM	
1,2-Dibromoethane (EDB)	ND	0.00368	mg/Kg-dry	1	6/8/2020 4:18:02 PM	



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 10:40:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-009

Matrix: Soil

Client Sample ID: SB-20-2'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 28544 Analyst: KT

Chlorobenzene	ND	0.0184		mg/Kg-dry	1	6/8/2020 4:18:02 PM
1,1,1,2-Tetrachloroethane	ND	0.0184		mg/Kg-dry	1	6/8/2020 4:18:02 PM
Ethylbenzene	ND	0.0184		mg/Kg-dry	1	6/8/2020 4:18:02 PM
m,p-Xylene	ND	0.0368		mg/Kg-dry	1	6/8/2020 4:18:02 PM
o-Xylene	ND	0.0184		mg/Kg-dry	1	6/8/2020 4:18:02 PM
Styrene	ND	0.0184		mg/Kg-dry	1	6/8/2020 4:18:02 PM
Isopropylbenzene	ND	0.0184		mg/Kg-dry	1	6/8/2020 4:18:02 PM
Bromoform	ND	0.0368		mg/Kg-dry	1	6/8/2020 4:18:02 PM
1,1,2,2-Tetrachloroethane	ND	0.0147		mg/Kg-dry	1	6/8/2020 4:18:02 PM
n-Propylbenzene	ND	0.0184		mg/Kg-dry	1	6/8/2020 4:18:02 PM
Bromobenzene	ND	0.0147		mg/Kg-dry	1	6/8/2020 4:18:02 PM
1,3,5-Trimethylbenzene	ND	0.0184		mg/Kg-dry	1	6/8/2020 4:18:02 PM
2-Chlorotoluene	ND	0.0184		mg/Kg-dry	1	6/8/2020 4:18:02 PM
4-Chlorotoluene	ND	0.0184		mg/Kg-dry	1	6/8/2020 4:18:02 PM
tert-Butylbenzene	ND	0.0184		mg/Kg-dry	1	6/8/2020 4:18:02 PM
1,2,3-Trichloropropane	ND	0.0184		mg/Kg-dry	1	6/8/2020 4:18:02 PM
1,2,4-Trichlorobenzene	ND	0.0184		mg/Kg-dry	1	6/8/2020 4:18:02 PM
sec-Butylbenzene	ND	0.0368		mg/Kg-dry	1	6/8/2020 4:18:02 PM
4-Isopropyltoluene	ND	0.0368		mg/Kg-dry	1	6/8/2020 4:18:02 PM
1,3-Dichlorobenzene	ND	0.0147		mg/Kg-dry	1	6/8/2020 4:18:02 PM
1,4-Dichlorobenzene	ND	0.0147		mg/Kg-dry	1	6/8/2020 4:18:02 PM
n-Butylbenzene	ND	0.0184		mg/Kg-dry	1	6/8/2020 4:18:02 PM
1,2-Dichlorobenzene	ND	0.0147		mg/Kg-dry	1	6/8/2020 4:18:02 PM
1,2-Dibromo-3-chloropropane	ND	0.368		mg/Kg-dry	1	6/8/2020 4:18:02 PM
1,2,4-Trimethylbenzene	ND	0.0147		mg/Kg-dry	1	6/8/2020 4:18:02 PM
Hexachloro-1,3-butadiene	ND	0.0368		mg/Kg-dry	1	6/8/2020 4:18:02 PM
Naphthalene	ND	0.0368		mg/Kg-dry	1	6/8/2020 4:18:02 PM
1,2,3-Trichlorobenzene	ND	0.0147		mg/Kg-dry	1	6/8/2020 4:18:02 PM
Surr: Dibromofluoromethane	93.5	83.3 - 111		%Rec	1	6/8/2020 4:18:02 PM
Surr: Toluene-d8	92.7	87.9 - 111		%Rec	1	6/8/2020 4:18:02 PM
Surr: 1-Bromo-4-fluorobenzene	97.2	85.1 - 111		%Rec	1	6/8/2020 4:18:02 PM

Mercury by EPA Method 7471

Batch ID: 28516 Analyst: WF

Mercury	ND	0.221		mg/Kg-dry	1	6/3/2020 1:30:34 PM
---------	----	-------	--	-----------	---	---------------------

Total Metals by EPA Method 6020B

Batch ID: 28562 Analyst: CO

Arsenic	4.21	0.197		mg/Kg-dry	1	6/5/2020 4:04:47 PM
---------	------	-------	--	-----------	---	---------------------

Original

23 of 113



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 10:40:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-009

Matrix: Soil

Client Sample ID: SB-20-2'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B				Batch ID: 28562	Analyst: CO
Barium	68.0	0.395	mg/Kg-dry	1	6/5/2020 4:04:47 PM
Cadmium	ND	0.158	mg/Kg-dry	1	6/5/2020 4:04:47 PM
Chromium	21.4	0.0789	mg/Kg-dry	1	6/5/2020 4:04:47 PM
Lead	2.81	0.158	mg/Kg-dry	1	6/5/2020 4:04:47 PM
Selenium	1.24	0.395	mg/Kg-dry	1	6/5/2020 4:04:47 PM
Silver	ND	0.0789	mg/Kg-dry	1	6/5/2020 4:04:47 PM

Sample Moisture (Percent Moisture)				Batch ID: R59611	Analyst: EH
Percent Moisture	4.03	wt%	1	6/5/2020 9:15:36 AM	

Hexavalent Chromium by EPA Method 7196				Batch ID: 28617	Analyst: TN
Chromium, Hexavalent	ND	0.503	mg/Kg-dry	1	6/10/2020 1:46:00 PM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 10:40:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-010

Matrix: Soil

Client Sample ID: SB-20-3'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28562 Analyst: CO

Arsenic	3.97	0.202	mg/Kg-dry	1	6/5/2020 4:10:21 PM
Lead	2.26	0.162	mg/Kg-dry	1	6/5/2020 4:10:21 PM

Sample Moisture (Percent Moisture) Batch ID: R59611 Analyst: EH

Percent Moisture	4.27	0.500	wt%	1	6/5/2020 9:15:36 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 10:40:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-011

Matrix: Soil

Client Sample ID: SB-20-3.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28562 Analyst: CO

Arsenic	3.71	0.201	mg/Kg-dry	1	6/5/2020 4:15:55 PM
Lead	3.04	0.161	mg/Kg-dry	1	6/5/2020 4:15:55 PM

Sample Moisture (Percent Moisture) Batch ID: R59611 Analyst: EH

Percent Moisture	4.30	0.500	wt%	1	6/5/2020 9:15:36 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 10:50:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-012

Matrix: Soil

Client Sample ID: SB-21-4'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28562 Analyst: CO

Arsenic	3.29	0.195	mg/Kg-dry	1	6/5/2020 4:21:29 PM
Lead	2.18	0.156	mg/Kg-dry	1	6/5/2020 4:21:29 PM

Sample Moisture (Percent Moisture) Batch ID: R59611 Analyst: EH

Percent Moisture	4.27	0.500	wt%	1	6/5/2020 9:15:36 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 11:00:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-013

Matrix: Soil

Client Sample ID: SB-22-3.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28562 Analyst: CO

Arsenic	3.37	0.200	mg/Kg-dry	1	6/5/2020 4:41:43 PM
Lead	2.37	0.160	mg/Kg-dry	1	6/5/2020 4:41:43 PM

Sample Moisture (Percent Moisture) Batch ID: R59611 Analyst: EH

Percent Moisture	3.99	0.500	wt%	1	6/5/2020 9:15:36 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 11:15:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-014

Matrix: Soil

Client Sample ID: SB-23-3'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28562 Analyst: CO

Arsenic	4.96	0.207	mg/Kg-dry	1	6/5/2020 4:47:17 PM
Lead	2.04	0.165	mg/Kg-dry	1	6/5/2020 4:47:17 PM

Sample Moisture (Percent Moisture) Batch ID: R59611 Analyst: EH

Percent Moisture	3.15	0.500	wt%	1	6/5/2020 9:15:36 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 11:35:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-015

Matrix: Soil

Client Sample ID: SB-24-1.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organochlorine Pesticides by EPA Method 8081

				Batch ID:	28547	Analyst:	DW
Toxaphene	ND	0.105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
Alpha BHC	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
Beta BHC	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
Gamma BHC (Lindane)	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
Delta BHC	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
Heptachlor	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
Aldrin	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
Heptachlor epoxide	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
gamma-Chlordane	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
Endosulfan I	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
alpha-Chlordane	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
Dieldrin	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
4,4'-DDE	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
Endrin	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
Endosulfan II	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
4,4'-DDD	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
Endrin aldehyde	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
Endosulfan sulfate	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
4,4'-DDT	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
Endrin ketone	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
Methoxychlor	ND	0.0105		mg/Kg-dry	1	6/5/2020	5:38:44 PM
Surr: Decachlorobiphenyl	104	27 - 166		%Rec	1	6/5/2020	5:38:44 PM
Surr: Tetrachloro-m-xylene	81.0	28.1 - 171		%Rec	1	6/5/2020	5:38:44 PM

Hydrocarbon Identification by NWTPH-HCID

				Batch ID:	28524	Analyst:	DW
Gasoline	ND	19.5		mg/Kg-dry	1	6/3/2020	8:30:28 PM
Mineral Spirits	ND	29.2		mg/Kg-dry	1	6/3/2020	8:30:28 PM
Kerosene	ND	48.7		mg/Kg-dry	1	6/3/2020	8:30:28 PM
Diesel (Fuel Oil)	ND	48.7		mg/Kg-dry	1	6/3/2020	8:30:28 PM
Heavy Oil	ND	97.3		mg/Kg-dry	1	6/3/2020	8:30:28 PM
Mineral Oil	ND	97.3		mg/Kg-dry	1	6/3/2020	8:30:28 PM
Surr: 2-Fluorobiphenyl	77.7	50 - 150		%Rec	1	6/3/2020	8:30:28 PM
Surr: o-Terphenyl	90.3	50 - 150		%Rec	1	6/3/2020	8:30:28 PM

Herbicides by EPA Method 8151A (Mod)

				Batch ID:	28601	Analyst:	SB
Dicamba	ND	36.0		µg/Kg-dry	1	6/12/2020	7:26:24 PM
2,4-D	ND	30.9		µg/Kg-dry	1	6/12/2020	7:26:24 PM

Original

30 of 113



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 11:35:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-015

Matrix: Soil

Client Sample ID: SB-24-1.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Herbicides by EPA Method 8151A (Mod) Batch ID: 28601 Analyst: SB

2,4-DP	ND	25.7		µg/Kg-dry	1	6/12/2020 7:26:24 PM
2,4,5-TP (Silvex)	ND	20.6		µg/Kg-dry	1	6/12/2020 7:26:24 PM
2,4,5-T	ND	51.5		µg/Kg-dry	1	6/12/2020 7:26:24 PM
Dinoseb	ND	30.9		µg/Kg-dry	1	6/12/2020 7:26:24 PM
Dalapon	ND	206		µg/Kg-dry	1	6/12/2020 7:26:24 PM
2,4-DB	ND	25.7		µg/Kg-dry	1	6/12/2020 7:26:24 PM
MCPP	ND	4,530		µg/Kg-dry	1	6/12/2020 7:26:24 PM
MCPA	ND	2,880		µg/Kg-dry	1	6/12/2020 7:26:24 PM
Picloram	ND	51.5	Q	µg/Kg-dry	1	6/12/2020 7:26:24 PM
Bentazon	ND	36.0		µg/Kg-dry	1	6/12/2020 7:26:24 PM
Chloramben	ND	20.6		µg/Kg-dry	1	6/12/2020 7:26:24 PM
Acifluorfen	ND	82.3		µg/Kg-dry	1	6/12/2020 7:26:24 PM
3,5-Dichlorobenzoic acid	ND	41.2		µg/Kg-dry	1	6/12/2020 7:26:24 PM
4-Nitrophenol	ND	30.9		µg/Kg-dry	1	6/12/2020 7:26:24 PM
Dacthal (DCPA)	ND	30.9		µg/Kg-dry	1	6/12/2020 7:26:24 PM
Surr: 2,4-Dichlorophenylacetic acid	75.0	15.3 - 163		%Rec	1	6/12/2020 7:26:24 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Organophosphorus Pesticides by EPA Method 8270-SIM Batch ID: 28540 Analyst: SB

DDVP	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Mevinphos	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
TEPP	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Demeton, Total	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Ethoprophos	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Naled	ND	47.2	Q	µg/Kg-dry	1	6/10/2020 4:27:04 AM
Sulfotepp	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Monocrotophos	ND	47.2	Q	µg/Kg-dry	1	6/10/2020 4:27:04 AM
Phorate	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Dimethoate	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Diazinon	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Disulfoton	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Parathion, methyl	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Fenchlorphos	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Malathion	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Dursban	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Fenthion	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Parathion	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 11:35:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-015

Matrix: Soil

Client Sample ID: SB-24-1.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organophosphorus Pesticides by EPA Method 8270-SIM

Trichloronate	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Merphos	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Stirophos	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Prothiofos	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Fensulfothion	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Sulprofos	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
EPN	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Guthion	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Coumaphos	ND	47.2		µg/Kg-dry	1	6/10/2020 4:27:04 AM
Surr: Triphenylphosphate	78.5	10.7 - 154		%Rec	1	6/10/2020 4:27:04 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Semi-Volatile Organic Compounds by EPA Method 8270

Batch ID: 28538 Analyst: SB

Phenol	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Bis(2-chloroethyl) ether	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
2-Chlorophenol	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
1,3-Dichlorobenzene	ND	75.5		µg/Kg-dry	1	6/5/2020 6:38:09 PM
1,4-Dichlorobenzene	ND	75.5		µg/Kg-dry	1	6/5/2020 6:38:09 PM
1,2-Dichlorobenzene	ND	75.5		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Benzyl alcohol	ND	101	Q	µg/Kg-dry	1	6/5/2020 6:38:09 PM
2-Methylphenol (o-cresol)	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Hexachloroethane	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
N-Nitrosodi-n-propylamine	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
3&4-Methylphenol (m, p-cresol)	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Nitrobenzene	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Isophorone	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
2-Nitrophenol	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
2,4-Dimethylphenol	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Bis(2-chloroethoxy)methane	ND	75.5		µg/Kg-dry	1	6/5/2020 6:38:09 PM
2,4-Dichlorophenol	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
1,2,4-Trichlorobenzene	ND	75.5		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Naphthalene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
4-Chloroaniline	ND	75.5		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Hexachlorobutadiene	ND	75.5		µg/Kg-dry	1	6/5/2020 6:38:09 PM
4-Chloro-3-methylphenol	ND	201		µg/Kg-dry	1	6/5/2020 6:38:09 PM
2-Methylnaphthalene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
1-Methylnaphthalene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 11:35:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-015

Matrix: Soil

Client Sample ID: SB-24-1.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Semi-Volatile Organic Compounds by EPA Method 8270						
				Batch ID: 28538		Analyst: SB
Hexachlorocyclopentadiene	ND	101	Q	µg/Kg-dry	1	6/5/2020 6:38:09 PM
2,4,6-Trichlorophenol	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
2,4,5-Trichlorophenol	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
2-Chloronaphthalene	ND	75.5		µg/Kg-dry	1	6/5/2020 6:38:09 PM
2-Nitroaniline	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Acenaphthene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Dimethylphthalate	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
2,6-Dinitrotoluene	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Acenaphthylene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
2,4-Dinitrophenol	ND	529	Q	µg/Kg-dry	1	6/5/2020 6:38:09 PM
Dibenzofuran	ND	75.5		µg/Kg-dry	1	6/5/2020 6:38:09 PM
2,4-Dinitrotoluene	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
4-Nitrophenol	ND	504		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Fluorene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
4-Chlorophenyl phenyl ether	ND	75.5		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Diethylphthalate	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
4,6-Dinitro-2-methylphenol	ND	201	Q	µg/Kg-dry	1	6/5/2020 6:38:09 PM
4-Bromophenyl phenyl ether	ND	75.5		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Hexachlorobenzene	ND	75.5		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Pentachlorophenol	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Phenanthrene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Anthracene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Carbazole	ND	75.5		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Di-n-butylphthalate	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Fluoranthene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Pyrene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Butyl Benzylphthalate	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
bis(2-Ethylhexyl)adipate	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Benz(a)anthracene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Chrysene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
bis (2-Ethylhexyl) phthalate	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Di-n-octyl phthalate	ND	101		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Benzo(b)fluoranthene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Benzo(k)fluoranthene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Benzo(a)pyrene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Indeno(1,2,3-cd)pyrene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Dibenz(a,h)anthracene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Benzo(g,h,i)perylene	ND	50.4		µg/Kg-dry	1	6/5/2020 6:38:09 PM
Surr: 2,4,6-Tribromophenol	51.9	5 - 139	%Rec	1		6/5/2020 6:38:09 PM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 11:35:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-015

Matrix: Soil

Client Sample ID: SB-24-1.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID:	28538	Analyst: SB
Surr: 2-Fluorobiphenyl	56.1	5 - 131	%Rec	1	6/5/2020 6:38:09 PM	
Surr: Nitrobenzene-d5	50.7	5 - 123	%Rec	1	6/5/2020 6:38:09 PM	
Surr: Phenol-d6	55.9	5 - 129	%Rec	1	6/5/2020 6:38:09 PM	
Surr: p-Terphenyl	62.1	13.8 - 140	%Rec	1	6/5/2020 6:38:09 PM	

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Volatile Organic Compounds by EPA Method 8260D				Batch ID:	28544	Analyst: KT
---	--	--	--	-----------	-------	-------------

Dichlorodifluoromethane (CFC-12)	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
Chloromethane	ND	0.0357	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
Vinyl chloride	ND	0.0179	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
Bromomethane	ND	0.0357	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
Trichlorofluoromethane (CFC-11)	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
Chloroethane	ND	0.0357	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
1,1-Dichloroethene	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
Methylene chloride	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
trans-1,2-Dichloroethene	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
Methyl tert-butyl ether (MTBE)	ND	0.0357	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
1,1-Dichloroethane	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
cis-1,2-Dichloroethene	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
Chloroform	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
1,1,1-Trichloroethane (TCA)	ND	0.0179	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
1,1-Dichloropropene	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
Carbon tetrachloride	ND	0.0357	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
1,2-Dichloroethane (EDC)	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
Benzene	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
Trichloroethene (TCE)	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
1,2-Dichloropropane	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
Bromodichloromethane	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
Dibromomethane	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
cis-1,3-Dichloropropene	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
Toluene	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
trans-1,3-Dichloropropylene	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
1,1,2-Trichloroethane	ND	0.0143	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
1,3-Dichloropropane	ND	0.0179	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
Tetrachloroethene (PCE)	ND	0.0179	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
Dibromochloromethane	ND	0.0179	mg/Kg-dry	1	6/8/2020 4:48:10 PM	
1,2-Dibromoethane (EDB)	ND	0.00357	mg/Kg-dry	1	6/8/2020 4:48:10 PM	



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 11:35:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-015

Matrix: Soil

Client Sample ID: SB-24-1.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 28544 Analyst: KT

Chlorobenzene	ND	0.0179		mg/Kg-dry	1	6/8/2020 4:48:10 PM
1,1,1,2-Tetrachloroethane	ND	0.0179		mg/Kg-dry	1	6/8/2020 4:48:10 PM
Ethylbenzene	ND	0.0179		mg/Kg-dry	1	6/8/2020 4:48:10 PM
m,p-Xylene	ND	0.0357		mg/Kg-dry	1	6/8/2020 4:48:10 PM
o-Xylene	ND	0.0179		mg/Kg-dry	1	6/8/2020 4:48:10 PM
Styrene	ND	0.0179		mg/Kg-dry	1	6/8/2020 4:48:10 PM
Isopropylbenzene	ND	0.0179		mg/Kg-dry	1	6/8/2020 4:48:10 PM
Bromoform	ND	0.0357		mg/Kg-dry	1	6/8/2020 4:48:10 PM
1,1,2,2-Tetrachloroethane	ND	0.0143		mg/Kg-dry	1	6/8/2020 4:48:10 PM
n-Propylbenzene	ND	0.0179		mg/Kg-dry	1	6/8/2020 4:48:10 PM
Bromobenzene	ND	0.0143		mg/Kg-dry	1	6/8/2020 4:48:10 PM
1,3,5-Trimethylbenzene	ND	0.0179		mg/Kg-dry	1	6/8/2020 4:48:10 PM
2-Chlorotoluene	ND	0.0179		mg/Kg-dry	1	6/8/2020 4:48:10 PM
4-Chlorotoluene	ND	0.0179		mg/Kg-dry	1	6/8/2020 4:48:10 PM
tert-Butylbenzene	ND	0.0179		mg/Kg-dry	1	6/8/2020 4:48:10 PM
1,2,3-Trichloropropane	ND	0.0179		mg/Kg-dry	1	6/8/2020 4:48:10 PM
1,2,4-Trichlorobenzene	ND	0.0179		mg/Kg-dry	1	6/8/2020 4:48:10 PM
sec-Butylbenzene	ND	0.0357		mg/Kg-dry	1	6/8/2020 4:48:10 PM
4-Isopropyltoluene	ND	0.0357		mg/Kg-dry	1	6/8/2020 4:48:10 PM
1,3-Dichlorobenzene	ND	0.0143		mg/Kg-dry	1	6/8/2020 4:48:10 PM
1,4-Dichlorobenzene	ND	0.0143		mg/Kg-dry	1	6/8/2020 4:48:10 PM
n-Butylbenzene	ND	0.0179		mg/Kg-dry	1	6/8/2020 4:48:10 PM
1,2-Dichlorobenzene	ND	0.0143		mg/Kg-dry	1	6/8/2020 4:48:10 PM
1,2-Dibromo-3-chloropropane	ND	0.357		mg/Kg-dry	1	6/8/2020 4:48:10 PM
1,2,4-Trimethylbenzene	ND	0.0143		mg/Kg-dry	1	6/8/2020 4:48:10 PM
Hexachloro-1,3-butadiene	ND	0.0357		mg/Kg-dry	1	6/8/2020 4:48:10 PM
Naphthalene	ND	0.0357		mg/Kg-dry	1	6/8/2020 4:48:10 PM
1,2,3-Trichlorobenzene	ND	0.0143		mg/Kg-dry	1	6/8/2020 4:48:10 PM
Surr: Dibromofluoromethane	92.7	83.3 - 111		%Rec	1	6/8/2020 4:48:10 PM
Surr: Toluene-d8	93.0	87.9 - 111		%Rec	1	6/8/2020 4:48:10 PM
Surr: 1-Bromo-4-fluorobenzene	99.7	85.1 - 111		%Rec	1	6/8/2020 4:48:10 PM

Mercury by EPA Method 7471

Batch ID: 28516 Analyst: WF

Mercury	ND	0.245		mg/Kg-dry	1	6/3/2020 1:35:26 PM
---------	----	-------	--	-----------	---	---------------------

Total Metals by EPA Method 6020B

Batch ID: 28562 Analyst: CO

Arsenic	7.08	0.214		mg/Kg-dry	1	6/5/2020 4:52:51 PM
---------	------	-------	--	-----------	---	---------------------

Original

35 of 113



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 11:35:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-015

Matrix: Soil

Client Sample ID: SB-24-1.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B				Batch ID: 28562	Analyst: CO
Barium	65.5	0.427	mg/Kg-dry	1	6/5/2020 4:52:51 PM
Cadmium	ND	0.171	mg/Kg-dry	1	6/5/2020 4:52:51 PM
Chromium	22.0	0.0855	mg/Kg-dry	1	6/5/2020 4:52:51 PM
Lead	5.52	0.171	mg/Kg-dry	1	6/5/2020 4:52:51 PM
Selenium	1.11	0.427	mg/Kg-dry	1	6/5/2020 4:52:51 PM
Silver	ND	0.0855	mg/Kg-dry	1	6/5/2020 4:52:51 PM

Sample Moisture (Percent Moisture)				Batch ID: R59611	Analyst: EH
Percent Moisture	7.12	wt%	1	6/5/2020 9:15:36 AM	

Hexavalent Chromium by EPA Method 7196				Batch ID: 28617	Analyst: TN
Chromium, Hexavalent	ND	0.508	mg/Kg-dry	1	6/10/2020 1:50:00 PM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 11:35:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-016

Matrix: Soil

Client Sample ID: SB-24-3.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28562 Analyst: CO

Arsenic	3.78	0.205	mg/Kg-dry	1	6/5/2020 4:58:24 PM
Lead	2.46	0.164	mg/Kg-dry	1	6/5/2020 4:58:24 PM

Sample Moisture (Percent Moisture) Batch ID: R59611 Analyst: EH

Percent Moisture	2.99	0.500	wt%	1	6/5/2020 9:15:36 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 11:35:00 AM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-017

Matrix: Soil

Client Sample ID: SB-24-4'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28562 Analyst: CO

Arsenic	3.49	0.204	mg/Kg-dry	1	6/5/2020 5:03:58 PM
Lead	2.08	0.163	mg/Kg-dry	1	6/5/2020 5:03:58 PM

Sample Moisture (Percent Moisture) Batch ID: R59611 Analyst: EH

Percent Moisture	3.36	0.500	wt%	1	6/5/2020 9:15:36 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 12:40:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-018

Matrix: Soil

Client Sample ID: SB-25-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organochlorine Pesticides by EPA Method 8081

				Batch ID:	28547	Analyst:	DW
Toxaphene	ND	0.0892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
Alpha BHC	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
Beta BHC	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
Gamma BHC (Lindane)	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
Delta BHC	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
Heptachlor	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
Aldrin	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
Heptachlor epoxide	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
gamma-Chlordane	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
Endosulfan I	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
alpha-Chlordane	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
Dieldrin	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
4,4'-DDE	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
Endrin	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
Endosulfan II	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
4,4'-DDD	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
Endrin aldehyde	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
Endosulfan sulfate	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
4,4'-DDT	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
Endrin ketone	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
Methoxychlor	ND	0.00892		mg/Kg-dry	1	6/5/2020	5:48:24 PM
Surr: Decachlorobiphenyl	102	27 - 166		%Rec	1	6/5/2020	5:48:24 PM
Surr: Tetrachloro-m-xylene	84.0	28.1 - 171		%Rec	1	6/5/2020	5:48:24 PM

Hydrocarbon Identification by NWTPH-HCID

				Batch ID:	28524	Analyst:	DW
Gasoline	ND	17.7		mg/Kg-dry	1	6/3/2020	9:00:12 PM
Mineral Spirits	ND	26.6		mg/Kg-dry	1	6/3/2020	9:00:12 PM
Kerosene	ND	44.4		mg/Kg-dry	1	6/3/2020	9:00:12 PM
Diesel (Fuel Oil)	ND	44.4		mg/Kg-dry	1	6/3/2020	9:00:12 PM
Heavy Oil	ND	88.7		mg/Kg-dry	1	6/3/2020	9:00:12 PM
Mineral Oil	ND	88.7		mg/Kg-dry	1	6/3/2020	9:00:12 PM
Surr: 2-Fluorobiphenyl	74.6	50 - 150		%Rec	1	6/3/2020	9:00:12 PM
Surr: o-Terphenyl	86.2	50 - 150		%Rec	1	6/3/2020	9:00:12 PM

Herbicides by EPA Method 8151A (Mod)

				Batch ID:	28601	Analyst:	SB
Dicamba	ND	34.0		µg/Kg-dry	1	6/12/2020	7:46:50 PM
2,4-D	ND	29.1		µg/Kg-dry	1	6/12/2020	7:46:50 PM

Original

39 of 113



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 12:40:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-018

Matrix: Soil

Client Sample ID: SB-25-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Herbicides by EPA Method 8151A (Mod)				Batch ID: 28601		Analyst: SB
2,4-DP	ND	24.3		µg/Kg-dry	1	6/12/2020 7:46:50 PM
2,4,5-TP (Silvex)	ND	19.4		µg/Kg-dry	1	6/12/2020 7:46:50 PM
2,4,5-T	ND	48.5		µg/Kg-dry	1	6/12/2020 7:46:50 PM
Dinoseb	ND	29.1		µg/Kg-dry	1	6/12/2020 7:46:50 PM
Dalapon	ND	194		µg/Kg-dry	1	6/12/2020 7:46:50 PM
2,4-DB	ND	24.3		µg/Kg-dry	1	6/12/2020 7:46:50 PM
MCPP	ND	4,270		µg/Kg-dry	1	6/12/2020 7:46:50 PM
MCPA	ND	2,720		µg/Kg-dry	1	6/12/2020 7:46:50 PM
Picloram	ND	48.5	Q	µg/Kg-dry	1	6/12/2020 7:46:50 PM
Bentazon	ND	34.0		µg/Kg-dry	1	6/12/2020 7:46:50 PM
Chloramben	ND	19.4		µg/Kg-dry	1	6/12/2020 7:46:50 PM
Acifluorfen	ND	77.6		µg/Kg-dry	1	6/12/2020 7:46:50 PM
3,5-Dichlorobenzoic acid	ND	38.8		µg/Kg-dry	1	6/12/2020 7:46:50 PM
4-Nitrophenol	ND	29.1		µg/Kg-dry	1	6/12/2020 7:46:50 PM
Dacthal (DCPA)	ND	29.1		µg/Kg-dry	1	6/12/2020 7:46:50 PM
Surr: 2,4-Dichlorophenylacetic acid	78.7	15.3 - 163		%Rec	1	6/12/2020 7:46:50 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Organophosphorus Pesticides by EPA Method 8270-SIM		Batch ID: 28540	Analyst: SB
---	--	-----------------	-------------

DDVP	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Mevinphos	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
TEPP	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Demeton, Total	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Ethoprophos	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Naled	ND	50.6	Q	µg/Kg-dry	1	6/10/2020 4:49:29 AM
Sulfotepp	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Monocrotophos	ND	50.6	Q	µg/Kg-dry	1	6/10/2020 4:49:29 AM
Phorate	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Dimethoate	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Diazinon	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Disulfoton	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Parathion, methyl	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Fenchlorphos	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Malathion	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Dursban	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Fenthion	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Parathion	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 12:40:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-018

Matrix: Soil

Client Sample ID: SB-25-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Organophosphorus Pesticides by EPA Method 8270-SIM Batch ID: 28540 Analyst: SB

Trichloronate	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Merphos	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Stirophos	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Prothiofos	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Fensulfothion	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Sulprofos	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
EPN	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Guthion	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Coumaphos	ND	50.6		µg/Kg-dry	1	6/10/2020 4:49:29 AM
Surr: Triphenylphosphate	114	10.7 - 154		%Rec	1	6/10/2020 4:49:29 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Semi-Volatile Organic Compounds by EPA Method 8270 Batch ID: 28538 Analyst: SB

Phenol	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM
Bis(2-chloroethyl) ether	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM
2-Chlorophenol	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM
1,3-Dichlorobenzene	ND	76.7		µg/Kg-dry	1	6/5/2020 7:00:40 PM
1,4-Dichlorobenzene	ND	76.7		µg/Kg-dry	1	6/5/2020 7:00:40 PM
1,2-Dichlorobenzene	ND	76.7		µg/Kg-dry	1	6/5/2020 7:00:40 PM
Benzyl alcohol	ND	102	Q	µg/Kg-dry	1	6/5/2020 7:00:40 PM
2-Methylphenol (o-cresol)	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM
Hexachloroethane	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM
N-Nitrosodi-n-propylamine	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM
3&4-Methylphenol (m, p-cresol)	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM
Nitrobenzene	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM
Isophorone	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM
2-Nitrophenol	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM
2,4-Dimethylphenol	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM
Bis(2-chloroethoxy)methane	ND	76.7		µg/Kg-dry	1	6/5/2020 7:00:40 PM
2,4-Dichlorophenol	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM
1,2,4-Trichlorobenzene	ND	76.7		µg/Kg-dry	1	6/5/2020 7:00:40 PM
Naphthalene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM
4-Chloroaniline	ND	76.7		µg/Kg-dry	1	6/5/2020 7:00:40 PM
Hexachlorobutadiene	ND	76.7		µg/Kg-dry	1	6/5/2020 7:00:40 PM
4-Chloro-3-methylphenol	ND	204		µg/Kg-dry	1	6/5/2020 7:00:40 PM
2-Methylnaphthalene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM
1-Methylnaphthalene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 12:40:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-018

Matrix: Soil

Client Sample ID: SB-25-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Semi-Volatile Organic Compounds by EPA Method 8270

				Batch ID:	28538	Analyst:	SB
Hexachlorocyclopentadiene	ND	102	Q	µg/Kg-dry	1	6/5/2020 7:00:40 PM	
2,4,6-Trichlorophenol	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
2,4,5-Trichlorophenol	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
2-Chloronaphthalene	ND	76.7		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
2-Nitroaniline	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Acenaphthene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Dimethylphthalate	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
2,6-Dinitrotoluene	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Acenaphthylene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
2,4-Dinitrophenol	ND	537	Q	µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Dibenzofuran	ND	76.7		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
2,4-Dinitrotoluene	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
4-Nitrophenol	ND	511		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Fluorene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
4-Chlorophenyl phenyl ether	ND	76.7		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Diethylphthalate	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
4,6-Dinitro-2-methylphenol	ND	204	Q	µg/Kg-dry	1	6/5/2020 7:00:40 PM	
4-Bromophenyl phenyl ether	ND	76.7		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Hexachlorobenzene	ND	76.7		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Pentachlorophenol	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Phenanthrene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Anthracene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Carbazole	ND	76.7		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Di-n-butylphthalate	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Fluoranthene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Pyrene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Butyl Benzylphthalate	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
bis(2-Ethylhexyl)adipate	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Benz(a)anthracene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Chrysene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
bis (2-Ethylhexyl) phthalate	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Di-n-octyl phthalate	ND	102		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Benzo(b)fluoranthene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Benzo(k)fluoranthene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Benzo(a)pyrene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Indeno(1,2,3-cd)pyrene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Dibenz(a,h)anthracene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Benzo(g,h,i)perylene	ND	51.1		µg/Kg-dry	1	6/5/2020 7:00:40 PM	
Surr: 2,4,6-Tribromophenol	81.6	5 - 139	%Rec	1	6/5/2020 7:00:40 PM		



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 12:40:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-018

Matrix: Soil

Client Sample ID: SB-25-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID:	28538	Analyst: SB
Surr: 2-Fluorobiphenyl	93.6	5 - 131	%Rec	1	6/5/2020 7:00:40 PM	
Surr: Nitrobenzene-d5	94.1	5 - 123	%Rec	1	6/5/2020 7:00:40 PM	
Surr: Phenol-d6	96.0	5 - 129	%Rec	1	6/5/2020 7:00:40 PM	
Surr: p-Terphenyl	99.7	13.8 - 140	%Rec	1	6/5/2020 7:00:40 PM	

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Volatile Organic Compounds by EPA Method 8260D				Batch ID:	28544	Analyst: KT
---	--	--	--	-----------	-------	-------------

Dichlorodifluoromethane (CFC-12)	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
Chloromethane	ND	0.0363	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
Vinyl chloride	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
Bromomethane	ND	0.0363	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
Trichlorofluoromethane (CFC-11)	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
Chloroethane	ND	0.0363	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
1,1-Dichloroethene	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
Methylene chloride	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
trans-1,2-Dichloroethene	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
Methyl tert-butyl ether (MTBE)	ND	0.0363	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
1,1-Dichloroethane	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
cis-1,2-Dichloroethene	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
Chloroform	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
1,1,1-Trichloroethane (TCA)	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
1,1-Dichloropropene	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
Carbon tetrachloride	ND	0.0363	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
1,2-Dichloroethane (EDC)	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
Benzene	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
Trichloroethene (TCE)	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
1,2-Dichloropropane	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
Bromodichloromethane	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
Dibromomethane	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
cis-1,3-Dichloropropene	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
Toluene	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
trans-1,3-Dichloropropylene	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
1,1,2-Trichloroethane	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
1,3-Dichloropropane	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
Tetrachloroethene (PCE)	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
Dibromochloromethane	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM	
1,2-Dibromoethane (EDB)	ND	0.00363	mg/Kg-dry	1	6/8/2020 5:18:26 PM	



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 12:40:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-018

Matrix: Soil

Client Sample ID: SB-25-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 28544 Analyst: KT

Chlorobenzene	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM
1,1,1,2-Tetrachloroethane	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM
Ethylbenzene	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM
m,p-Xylene	ND	0.0363	mg/Kg-dry	1	6/8/2020 5:18:26 PM
o-Xylene	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM
Styrene	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM
Isopropylbenzene	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM
Bromoform	ND	0.0363	mg/Kg-dry	1	6/8/2020 5:18:26 PM
1,1,2,2-Tetrachloroethane	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM
n-Propylbenzene	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM
Bromobenzene	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM
1,3,5-Trimethylbenzene	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM
2-Chlorotoluene	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM
4-Chlorotoluene	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM
tert-Butylbenzene	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM
1,2,3-Trichloropropane	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM
1,2,4-Trichlorobenzene	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM
sec-Butylbenzene	ND	0.0363	mg/Kg-dry	1	6/8/2020 5:18:26 PM
4-Isopropyltoluene	ND	0.0363	mg/Kg-dry	1	6/8/2020 5:18:26 PM
1,3-Dichlorobenzene	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM
1,4-Dichlorobenzene	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM
n-Butylbenzene	ND	0.0181	mg/Kg-dry	1	6/8/2020 5:18:26 PM
1,2-Dichlorobenzene	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM
1,2-Dibromo-3-chloropropane	ND	0.363	mg/Kg-dry	1	6/8/2020 5:18:26 PM
1,2,4-Trimethylbenzene	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM
Hexachloro-1,3-butadiene	ND	0.0363	mg/Kg-dry	1	6/8/2020 5:18:26 PM
Naphthalene	ND	0.0363	mg/Kg-dry	1	6/8/2020 5:18:26 PM
1,2,3-Trichlorobenzene	ND	0.0145	mg/Kg-dry	1	6/8/2020 5:18:26 PM
Surr: Dibromofluoromethane	93.7	83.3 - 111	%Rec	1	6/8/2020 5:18:26 PM
Surr: Toluene-d8	93.1	87.9 - 111	%Rec	1	6/8/2020 5:18:26 PM
Surr: 1-Bromo-4-fluorobenzene	98.3	85.1 - 111	%Rec	1	6/8/2020 5:18:26 PM

Mercury by EPA Method 7471

Batch ID: 28516 Analyst: WF

Mercury	ND	0.229	mg/Kg-dry	1	6/3/2020 1:37:02 PM
---------	----	-------	-----------	---	---------------------

Total Metals by EPA Method 6020B

Batch ID: 28562 Analyst: CO

Arsenic	5.75	0.190	mg/Kg-dry	1	6/5/2020 5:09:32 PM
---------	------	-------	-----------	---	---------------------

Original

44 of 113



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 12:40:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-018

Matrix: Soil

Client Sample ID: SB-25-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B				Batch ID: 28562	Analyst: CO
Barium	76.0	0.380	mg/Kg-dry	1	6/5/2020 5:09:32 PM
Cadmium	ND	0.152	mg/Kg-dry	1	6/5/2020 5:09:32 PM
Chromium	26.0	0.0761	mg/Kg-dry	1	6/5/2020 5:09:32 PM
Lead	2.46	0.152	mg/Kg-dry	1	6/5/2020 5:09:32 PM
Selenium	1.29	0.380	mg/Kg-dry	1	6/5/2020 5:09:32 PM
Silver	ND	0.0761	mg/Kg-dry	1	6/5/2020 5:09:32 PM

Sample Moisture (Percent Moisture)				Batch ID: R59611	Analyst: EH
Percent Moisture	2.66	wt%	1	6/5/2020 9:15:36 AM	

Hexavalent Chromium by EPA Method 7196				Batch ID: 28617	Analyst: TN
Chromium, Hexavalent	ND	0.492	mg/Kg-dry	1	6/10/2020 1:53:00 PM



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 12:40:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-019

Matrix: Soil

Client Sample ID: SB-25-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28563 Analyst: CO

Arsenic	3.07	0.202	mg/Kg-dry	1	6/5/2020 5:31:50 PM
Lead	1.82	0.162	mg/Kg-dry	1	6/5/2020 5:31:50 PM

Sample Moisture (Percent Moisture) Batch ID: R59611 Analyst: EH

Percent Moisture	4.05	0.500	wt%	1	6/5/2020 9:15:36 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 12:55:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-020

Matrix: Soil

Client Sample ID: SB-26-0.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28563 Analyst: CO

Arsenic	3.74	0.194	mg/Kg-dry	1	6/5/2020 6:16:23 PM
Lead	1.68	0.156	mg/Kg-dry	1	6/5/2020 6:16:23 PM

Sample Moisture (Percent Moisture) Batch ID: R59611 Analyst: EH

Percent Moisture	4.04	0.500	wt%	1	6/5/2020 9:15:36 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 1:00:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-021

Matrix: Soil

Client Sample ID: SB-27-1'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28563 Analyst: CO

Arsenic	3.12	0.201	mg/Kg-dry	1	6/5/2020 6:21:57 PM
Lead	1.78	0.161	mg/Kg-dry	1	6/5/2020 6:21:57 PM

Sample Moisture (Percent Moisture) Batch ID: R59611 Analyst: EH

Percent Moisture	2.66	0.500	wt%	1	6/5/2020 9:15:36 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 1:15:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-022

Matrix: Soil

Client Sample ID: SB-28-2.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28563 Analyst: CO

Arsenic	3.52	0.195	mg/Kg-dry	1	6/5/2020 6:27:30 PM
Lead	1.96	0.156	mg/Kg-dry	1	6/5/2020 6:27:30 PM

Sample Moisture (Percent Moisture) Batch ID: R59611 Analyst: EH

Percent Moisture	3.65	0.500	wt%	1	6/5/2020 9:15:36 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 1:30:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-023

Matrix: Soil

Client Sample ID: SB-29-2.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28563 Analyst: CO

Arsenic	3.36	0.188	mg/Kg-dry	1	6/5/2020 6:33:04 PM
Lead	2.04	0.151	mg/Kg-dry	1	6/5/2020 6:33:04 PM

Sample Moisture (Percent Moisture) Batch ID: R59614 Analyst: EH

Percent Moisture	3.00	0.500	wt%	1	6/5/2020 9:46:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 1:35:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-024

Matrix: Soil

Client Sample ID: SB-30-2.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28563 Analyst: CO

Arsenic	65.7	0.207	mg/Kg-dry	1	6/5/2020 6:38:38 PM
Lead	1.85	0.165	mg/Kg-dry	1	6/5/2020 6:38:38 PM

Sample Moisture (Percent Moisture) Batch ID: R59614 Analyst: EH

Percent Moisture	4.68	0.500	wt%	1	6/5/2020 9:46:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 2:00:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-025

Matrix: Soil

Client Sample ID: SB-31-3.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28563 Analyst: CO

Arsenic	3.29	0.209	mg/Kg-dry	1	6/5/2020 6:55:22 PM
Lead	2.36	0.167	mg/Kg-dry	1	6/5/2020 6:55:22 PM

Sample Moisture (Percent Moisture) Batch ID: R59614 Analyst: EH

Percent Moisture	6.55	0.500	wt%	1	6/5/2020 9:46:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 2:10:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-026

Matrix: Soil

Client Sample ID: SB-32-3'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28563 Analyst: CO

Arsenic	2.59	0.201	mg/Kg-dry	1	6/5/2020 7:00:56 PM
Lead	1.57	0.161	mg/Kg-dry	1	6/5/2020 7:00:56 PM

Sample Moisture (Percent Moisture) Batch ID: R59614 Analyst: EH

Percent Moisture	3.71	0.500	wt%	1	6/5/2020 9:46:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 2:20:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-027

Matrix: Soil

Client Sample ID: SB-33-4'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28563 Analyst: CO

Arsenic	3.16	0.203	mg/Kg-dry	1	6/5/2020 7:06:30 PM
Lead	2.24	0.162	mg/Kg-dry	1	6/5/2020 7:06:30 PM

Sample Moisture (Percent Moisture) Batch ID: R59614 Analyst: EH

Percent Moisture	3.76	0.500	wt%	1	6/5/2020 9:46:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 2:25:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-028

Matrix: Soil

Client Sample ID: SB-16-3'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28563 Analyst: CO

Arsenic	2.98	0.189	mg/Kg-dry	1	6/5/2020 7:12:04 PM
Lead	2.27	0.152	mg/Kg-dry	1	6/5/2020 7:12:04 PM

Sample Moisture (Percent Moisture) Batch ID: R59614 Analyst: EH

Percent Moisture	4.34	0.500	wt%	1	6/5/2020 9:46:20 AM
------------------	------	-------	-----	---	---------------------



Analytical Report

Work Order: 2006001

Date Reported: 6/15/2020

Client: ATC Group Services, Inc.

Collection Date: 5/29/2020 2:25:00 PM

Project: Panattoni, NW Logistics Ctr

Lab ID: 2006001-029

Matrix: Soil

Client Sample ID: SB-16-3.5'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
-----------------	---------------	-----------	-------------	--------------	-----------	----------------------

Total Metals by EPA Method 6020B Batch ID: 28563 Analyst: CO

Arsenic	2.79	0.188	mg/Kg-dry	1	6/5/2020 7:17:37 PM
Lead	1.62	0.150	mg/Kg-dry	1	6/5/2020 7:17:37 PM

Sample Moisture (Percent Moisture) Batch ID: R59614 Analyst: EH

Percent Moisture	2.69	0.500	wt%	1	6/5/2020 9:46:20 AM
------------------	------	-------	-----	---	---------------------



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Hexavalent Chromium by EPA Method 7196

Sample ID: MBLK-28617	SampType: MBLK	Units: mg/Kg			Prep Date: 6/10/2020			RunNo: 59732			
Client ID: MBLKS	Batch ID: 28617				Analysis Date: 6/10/2020			SeqNo: 1195268			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.500									
Sample ID: LCS-28617	SampType: LCS	Units: mg/Kg			Prep Date: 6/10/2020			RunNo: 59732			
Client ID: LCSS	Batch ID: 28617				Analysis Date: 6/10/2020			SeqNo: 1195269			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	2.26	0.500	2.500	0	90.2	70	130				
Sample ID: 2006001-002ADUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 6/10/2020			RunNo: 59732			
Client ID: SB-16-1'	Batch ID: 28617				Analysis Date: 6/10/2020			SeqNo: 1195271			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.502						0		30	
Sample ID: 2006001-002AMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 6/10/2020			RunNo: 59732			
Client ID: SB-16-1'	Batch ID: 28617				Analysis Date: 6/10/2020			SeqNo: 1195272			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	1.83	0.513	2.563	0	71.4	70	130				
Sample ID: 2006001-002AMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 6/10/2020			RunNo: 59732			
Client ID: SB-16-1'	Batch ID: 28617				Analysis Date: 6/10/2020			SeqNo: 1195273			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	1.70	0.498	2.489	0	68.2	70	730	1.830	7.47	30	S

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed and recovered within range.



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Hexavalent Chromium by EPA Method 7196

Sample ID: 2006137-008ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/10/2020	RunNo: 59732
Client ID: BATCH	Batch ID: 28617		Analysis Date: 6/10/2020	SeqNo: 1195288
Analyte	Result	RL	SPK value	SPK Ref Val
Chromium, Hexavalent	ND	0.664		0



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Hydrocarbon Identification by NWTPH-HCID

Sample ID: MBLK-28524	SampType: MBLK	Units: mg/Kg			Prep Date: 6/3/2020			RunNo: 59562			
Client ID: MBLKS	Batch ID: 28524				Analysis Date: 6/3/2020			SeqNo: 1191100			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	20.0									
Mineral Spirits	ND	30.0									
Kerosene	ND	50.0									
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Mineral Oil	ND	100									
Surr: 2-Fluorobiphenyl	13.7		20.00		68.6	50	150				
Surr: o-Terphenyl	15.6		20.00		77.9	50	150				

Sample ID: LCS-28524	SampType: LCS	Units: mg/Kg			Prep Date: 6/3/2020			RunNo: 59562			
Client ID: LCSS	Batch ID: 28524				Analysis Date: 6/3/2020			SeqNo: 1191101			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	454	50.0	500.0	0	90.7	65	135				
Surr: 2-Fluorobiphenyl	16.4		20.00		82.2	50	150				
Surr: o-Terphenyl	16.4		20.00		82.1	50	150				



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Mercury by EPA Method 7471

Sample ID: MBLK-28516	SampType: MBLK	Units: mg/Kg		Prep Date: 6/2/2020		RunNo: 59549					
Client ID: MBLKS	Batch ID: 28516			Analysis Date: 6/3/2020		SeqNo: 1190963					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.250									
Sample ID: LCS-28516	SampType: LCS	Units: mg/Kg		Prep Date: 6/2/2020		RunNo: 59549					
Client ID: LCSS	Batch ID: 28516			Analysis Date: 6/3/2020		SeqNo: 1190964					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.500	0.250	0.5000	0	100	80	120				
Sample ID: 2005384-001ADUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 6/2/2020		RunNo: 59549					
Client ID: BATCH	Batch ID: 28516			Analysis Date: 6/3/2020		SeqNo: 1190925					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.132				0			20		
Sample ID: 2005384-001AMS	SampType: MS	Units: mg/Kg-dry		Prep Date: 6/2/2020		RunNo: 59549					
Client ID: BATCH	Batch ID: 28516			Analysis Date: 6/3/2020		SeqNo: 1190926					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.297	0.131	0.2623	0.03709	99.1	70	130				
Sample ID: 2005384-001AMSD	SampType: MSD	Units: mg/Kg-dry		Prep Date: 6/2/2020		RunNo: 59549					
Client ID: BATCH	Batch ID: 28516			Analysis Date: 6/3/2020		SeqNo: 1190927					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.294	0.139	0.2780	0.03709	92.3	70	130	0.2969	1.15	20	



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Organochlorine Pesticides by EPA Method 8081

Sample ID: MBLK-28547	SampType: MBLK	Units: mg/Kg		Prep Date: 6/4/2020		RunNo: 59631					
Client ID: MBLKS	Batch ID: 28547			Analysis Date: 6/5/2020		SeqNo: 1192831					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toxaphene	ND	0.100									
Alpha BHC	ND	0.0100									
Beta BHC	ND	0.0100									
Gamma BHC (Lindane)	ND	0.0100									
Delta BHC	ND	0.0100									
Heptachlor	ND	0.0100									
Aldrin	ND	0.0100									
Heptachlor epoxide	ND	0.0100									
gamma-Chlordane	ND	0.0100									
Endosulfan I	ND	0.0100									
alpha-Chlordane	ND	0.0100									
Dieldrin	ND	0.0100									
4,4'-DDE	ND	0.0100									
Endrin	ND	0.0100									
Endosulfan II	ND	0.0100									
4,4'-DDD	ND	0.0100									
Endrin aldehyde	ND	0.0100									
Endosulfan sulfate	ND	0.0100									
4,4'-DDT	ND	0.0100									
Endrin ketone	ND	0.0100									
Methoxychlor	ND	0.0100									
Surr: Decachlorobiphenyl	0.0483		0.05000		96.7	27	166				
Surr: Tetrachloro-m-xylene	0.0428		0.05000		85.7	28.1	171				

Sample ID: LCS1-28547	SampType: LCS	Units: mg/Kg		Prep Date: 6/4/2020		RunNo: 59631					
Client ID: LCSS	Batch ID: 28547			Analysis Date: 6/5/2020		SeqNo: 1192832					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alpha BHC	0.182	0.0100	0.2000	0	90.8	70.8	143				
Beta BHC	0.193	0.0100	0.2000	0	96.3	70.5	143				



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Organochlorine Pesticides by EPA Method 8081

Sample ID: LCS1-28547	SampType: LCS	Units: mg/Kg			Prep Date: 6/4/2020			RunNo: 59631			
Client ID: LCSS	Batch ID: 28547				Analysis Date: 6/5/2020			SeqNo: 1192832			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gamma BHC (Lindane)	0.186	0.0100	0.2000	0	92.9	70.8	144				
Delta BHC	0.192	0.0100	0.2000	0	96.2	67.8	143				
Heptachlor	0.197	0.0100	0.2000	0	98.5	70.7	151				
Aldrin	0.188	0.0100	0.2000	0	94.1	68.5	149				
Heptachlor epoxide	0.195	0.0100	0.2000	0	97.6	67.8	152				
gamma-Chlordane	0.198	0.0100	0.2000	0	98.8	63.8	150				
Endosulfan I	0.196	0.0100	0.2000	0	97.9	73.3	151				
alpha-Chlordane	0.197	0.0100	0.2000	0	98.6	63.5	150				
Dieldrin	0.200	0.0100	0.2000	0	100	72.8	149				
4,4'-DDE	0.204	0.0100	0.2000	0	102	71.1	146				
Endrin	0.208	0.0100	0.2000	0	104	62.7	158				
Endosulfan II	0.206	0.0100	0.2000	0	103	53.5	154				
4,4'-DDD	0.197	0.0100	0.2000	0	98.4	66.3	154				
Endrin aldehyde	0.212	0.0100	0.2000	0	106	43.8	133				
Endosulfan sulfate	0.210	0.0100	0.2000	0	105	59.5	149				
4,4'-DDT	0.262	0.0100	0.2000	0	131	70.5	149				
Endrin ketone	0.217	0.0100	0.2000	0	109	58	157				
Methoxychlor	0.255	0.0100	0.2000	0	128	52	159				
Surr: Decachlorobiphenyl	0.0505		0.05000		101	27	166				
Surr: Tetrachloro-m-xylene	0.0445		0.05000		89.1	28.1	171				

Sample ID: LCS2-28547	SampType: LCS	Units: mg/Kg			Prep Date: 6/4/2020			RunNo: 59631			
Client ID: LCSS	Batch ID: 28547				Analysis Date: 6/5/2020			SeqNo: 1192833			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toxaphene	1.10	0.100	1.000	0	110	57.3	134				
Surr: Decachlorobiphenyl	0.0487		0.05000		97.4	27	166				
Surr: Tetrachloro-m-xylene	0.0420		0.05000		84.0	28.1	171				



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Organochlorine Pesticides by EPA Method 8081

Sample ID: 2006001-002BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 6/4/2020			RunNo: 59631			
Client ID: SB-16-1'	Batch ID: 28547				Analysis Date: 6/5/2020			SeqNo: 1192841			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toxaphene	ND	0.0918						0		30	
Alpha BHC	ND	0.00918						0		30	
Beta BHC	ND	0.00918						0		30	
Gamma BHC (Lindane)	ND	0.00918						0		30	
Delta BHC	ND	0.00918						0		30	
Heptachlor	ND	0.00918						0		30	
Aldrin	ND	0.00918						0		30	
Heptachlor epoxide	ND	0.00918						0		30	
gamma-Chlordane	ND	0.00918						0		30	
Endosulfan I	ND	0.00918						0		30	
alpha-Chlordane	ND	0.00918						0		30	
Dieldrin	ND	0.00918						0		30	
4,4'-DDE	ND	0.00918						0		30	
Endrin	ND	0.00918						0		30	
Endosulfan II	ND	0.00918						0		30	
4,4'-DDD	ND	0.00918						0		30	
Endrin aldehyde	ND	0.00918						0		30	
Endosulfan sulfate	ND	0.00918						0		30	
4,4'-DDT	ND	0.00918						0		30	
Endrin ketone	ND	0.00918						0		30	
Methoxychlor	ND	0.00918						0		30	
Surr: Decachlorobiphenyl	0.0383		0.04591		83.5	27	166		0		
Surr: Tetrachloro-m-xylene	0.0357		0.04591		77.7	28.1	171		0		

Sample ID: 2006001-002BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 6/4/2020			RunNo: 59631			
Client ID: SB-16-1'	Batch ID: 28547				Analysis Date: 6/5/2020			SeqNo: 1192842			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alpha BHC	0.200	0.0101	0.2010	0	99.5	76.1	143				
Beta BHC	0.208	0.0101	0.2010	0	104	70.1	143				



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Organochlorine Pesticides by EPA Method 8081

Sample ID: 2006001-002BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 6/4/2020			RunNo: 59631			
Client ID: SB-16-1'	Batch ID: 28547				Analysis Date: 6/5/2020			SeqNo: 1192842			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gamma BHC (Lindane)	0.204	0.0101	0.2010	0	102	76.1	145				
Delta BHC	0.209	0.0101	0.2010	0	104	61.1	142				
Heptachlor	0.217	0.0101	0.2010	0	108	76.3	157				
Aldrin	0.204	0.0101	0.2010	0	102	73.9	152				
Heptachlor epoxide	0.210	0.0101	0.2010	0	104	75.1	154				
gamma-Chlordane	0.205	0.0101	0.2010	0	102	69.4	152				
Endosulfan I	0.209	0.0101	0.2010	0	104	75.3	153				
alpha-Chlordane	0.207	0.0101	0.2010	0	103	68.7	155				
Dieldrin	0.210	0.0101	0.2010	0	104	74	152				
4,4'-DDE	0.214	0.0101	0.2010	0	107	70.7	152				
Endrin	0.221	0.0101	0.2010	0	110	80.4	152				
Endosulfan II	0.212	0.0101	0.2010	0	106	67.2	144				
4,4'-DDD	0.211	0.0101	0.2010	0	105	71.1	155				
Endrin aldehyde	0.215	0.0101	0.2010	0	107	22.5	147				
Endosulfan sulfate	0.213	0.0101	0.2010	0	106	49.5	145				
4,4'-DDT	0.253	0.0101	0.2010	0	126	61.5	169				
Endrin ketone	0.216	0.0101	0.2010	0	108	67.1	144				
Methoxychlor	0.256	0.0101	0.2010	0	127	58	170				
Surr: Decachlorobiphenyl	0.0446		0.05026		88.8	27	166				
Surr: Tetrachloro-m-xylene	0.0428		0.05026		85.1	28.1	171				

Sample ID: 2006001-002BMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 6/4/2020			RunNo: 59631			
Client ID: SB-16-1'	Batch ID: 28547				Analysis Date: 6/5/2020			SeqNo: 1192843			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alpha BHC	0.197	0.00911	0.1822	0	108	76.1	143	0.2000	1.62	30	
Beta BHC	0.211	0.00911	0.1822	0	116	70.1	143	0.2084	1.44	30	
Gamma BHC (Lindane)	0.203	0.00911	0.1822	0	112	76.1	145	0.2041	0.374	30	
Delta BHC	0.212	0.00911	0.1822	0	116	61.1	142	0.2088	1.42	30	
Heptachlor	0.215	0.00911	0.1822	0	118	76.3	157	0.2171	0.971	30	



Date: 6/15/2020

Work Order: 2006001

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT**Organochlorine Pesticides by EPA Method 8081**

Sample ID: 2006001-002BMSD		SampType: MSD		Units: mg/Kg-dry		Prep Date: 6/4/2020		RunNo: 59631			
Client ID: SB-16-1'		Batch ID: 28547				Analysis Date: 6/5/2020		SeqNo: 1192843			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	0.203	0.00911	0.1822	0	112	73.9	152	0.2043	0.518	30	
Heptachlor epoxide	0.212	0.00911	0.1822	0	117	75.1	154	0.2097	1.24	30	
gamma-Chlordane	0.209	0.00911	0.1822	0	115	69.4	152	0.2052	1.69	30	
Endosulfan I	0.212	0.00911	0.1822	0	116	75.3	153	0.2085	1.63	30	
alpha-Chlordane	0.212	0.00911	0.1822	0	116	68.7	155	0.2069	2.24	30	
Dieldrin	0.215	0.00911	0.1822	0	118	74	152	0.2100	2.54	30	
4,4'-DDE	0.222	0.00911	0.1822	0	122	70.7	152	0.2143	3.37	30	
Endrin	0.226	0.00911	0.1822	0	124	80.4	152	0.2205	2.61	30	
Endosulfan II	0.221	0.00911	0.1822	0	121	67.2	144	0.2123	3.91	30	
4,4'-DDD	0.222	0.00911	0.1822	0	122	71.1	155	0.2115	4.87	30	
Endrin aldehyde	0.223	0.00911	0.1822	0	122	22.5	147	0.2152	3.46	30	
Endosulfan sulfate	0.224	0.00911	0.1822	0	123	49.5	145	0.2132	4.75	30	
4,4'-DDT	0.261	0.00911	0.1822	0	143	61.5	169	0.2528	3.26	30	
Endrin ketone	0.227	0.00911	0.1822	0	124	67.1	144	0.2164	4.56	30	
Methoxychlor	0.263	0.00911	0.1822	0	144	58	170	0.2560	2.51	30	
Surr: Decachlorobiphenyl	0.0478		0.04555		105	27	166		0		
Surr: Tetrachloro-m-xylene	0.0411		0.04555		90.2	28.1	171		0		



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: MBLK-28538	SampType: MBLK	Units: µg/Kg			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: MBLKS	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192611			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	100									
Bis(2-chloroethyl) ether	ND	100									
2-Chlorophenol	ND	100									
1,3-Dichlorobenzene	ND	75.0									
1,4-Dichlorobenzene	ND	75.0									
1,2-Dichlorobenzene	ND	75.0									
Benzyl alcohol	ND	100									
2-Methylphenol (o-cresol)	ND	100									
Hexachloroethane	ND	100									
N-Nitrosodi-n-propylamine	ND	100									
3&4-Methylphenol (m, p-cresol)	ND	100									
Nitrobenzene	ND	100									
Isophorone	ND	100									
2-Nitrophenol	ND	100									
2,4-Dimethylphenol	ND	100									
Bis(2-chloroethoxy)methane	ND	75.0									
2,4-Dichlorophenol	ND	100									
1,2,4-Trichlorobenzene	ND	75.0									
Naphthalene	ND	50.0									
4-Chloroaniline	ND	75.0									
Hexachlorobutadiene	ND	75.0									
4-Chloro-3-methylphenol	ND	200									
2-Methylnaphthalene	ND	50.0									
1-Methylnaphthalene	ND	50.0									
Hexachlorocyclopentadiene	ND	100									
2,4,6-Trichlorophenol	ND	100									
2,4,5-Trichlorophenol	ND	100									
2-Chloronaphthalene	ND	75.0									
2-Nitroaniline	ND	100									
Acenaphthene	ND	50.0									
Dimethylphthalate	ND	100									

Q

66 of 113



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: MB-28538	SampType: MBLK	Units: µg/Kg	Prep Date: 6/3/2020	RunNo: 59620
Client ID: MBLKS	Batch ID: 28538		Analysis Date: 6/5/2020	SeqNo: 1192611
Analyte	Result	RL	SPK value	SPK Ref Val

2,6-Dinitrotoluene	ND	100		
Acenaphthylene	ND	50.0		
2,4-Dinitrophenol	ND	525		
Dibenzofuran	ND	75.0		
2,4-Dinitrotoluene	ND	100		
4-Nitrophenol	ND	500		
Fluorene	ND	50.0		
4-Chlorophenyl phenyl ether	ND	75.0		
Diethylphthalate	ND	100		
4,6-Dinitro-2-methylphenol	ND	200		
4-Bromophenyl phenyl ether	ND	75.0		
Hexachlorobenzene	ND	75.0		
Pentachlorophenol	ND	100		
Phenanthrene	ND	50.0		
Anthracene	ND	50.0		
Carbazole	ND	75.0		
Di-n-butylphthalate	ND	100		
Fluoranthene	ND	50.0		
Pyrene	ND	50.0		
Butyl Benzylphthalate	ND	100		
bis(2-Ethylhexyl)adipate	ND	100		
Benz(a)anthracene	ND	50.0		
Chrysene	ND	50.0		
bis (2-Ethylhexyl) phthalate	ND	100		
Di-n-octyl phthalate	ND	100		
Benzo(b)fluoranthene	ND	50.0		
Benzo(k)fluoranthene	ND	50.0		
Benzo(a)pyrene	ND	50.0		
Indeno(1,2,3-cd)pyrene	ND	50.0		
Dibenz(a,h)anthracene	ND	50.0		
Benzo(g,h,i)perylene	ND	50.0		

Q



Date: 6/15/2020

Work Order: 2006001

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: MBLK-28538	SampType: MBLK	Units: µg/Kg			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: MBLKS	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192611			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	524		1,000		52.4	5	139				
Surr: 2-Fluorobiphenyl	458		500.0		91.5	5	131				
Surr: Nitrobenzene-d5	259		500.0		51.8	5	123				
Surr: Phenol-d6	855		1,000		85.5	5	129				
Surr: p-Terphenyl	540		500.0		108	13.8	140				

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: LCS-28538	SampType: LCS	Units: µg/Kg			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: LCSS	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192612			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	1,120	100	1,000	0	112	36	137				
Bis(2-chloroethyl) ether	918	100	1,000	0	91.8	39	132				
2-Chlorophenol	1,000	100	1,000	0	100	44.1	138				
1,3-Dichlorobenzene	748	75.0	1,000	0	74.8	43.9	123				
1,4-Dichlorobenzene	736	75.0	1,000	0	73.6	48	120				
1,2-Dichlorobenzene	829	75.0	1,000	0	82.9	44.9	124				
Benzyl alcohol	1,090	100	1,000	0	109	5	190				
2-Methylphenol (o-cresol)	1,100	100	1,000	0	110	39.8	136				
Hexachloroethane	788	100	1,000	0	78.8	37.2	129				
N-Nitrosodi-n-propylamine	1,110	100	1,000	0	111	37.6	146				
3&4-Methylphenol (m, p-cresol)	1,160	100	1,000	0	116	45.4	133				
Nitrobenzene	989	100	1,000	0	98.9	36.4	135				
Isophorone	1,080	100	1,000	0	108	42.2	138				
2-Nitrophenol	1,030	100	1,000	0	103	57.6	133				
2,4-Dimethylphenol	1,140	100	1,000	0	114	45.5	129				
Bis(2-chloroethoxy)methane	1,100	75.0	1,000	0	110	44.7	135				
2,4-Dichlorophenol	1,080	100	1,000	0	108	50.2	140				
1,2,4-Trichlorobenzene	1,050	75.0	1,000	0	105	47.6	136				
Naphthalene	1,030	50.0	1,000	0	103	48	138				



Date: 6/15/2020

Work Order: 2006001

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: LCS-28538	SampType: LCS	Units: µg/Kg			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: LCSS	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192612			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloroaniline	1,020	75.0	1,000	0	102	48.5	127				
Hexachlorobutadiene	951	75.0	1,000	0	95.1	44.6	137				
4-Chloro-3-methylphenol	1,120	200	1,000	0	112	44.1	149				
2-Methylnaphthalene	1,050	50.0	1,000	0	105	50.1	137				
1-Methylnaphthalene	1,080	50.0	1,000	0	108	53.8	129				
Hexachlorocyclopentadiene	1,120	100	1,000	0	112	6.89	161				
2,4,6-Trichlorophenol	940	100	1,000	0	94.0	48.1	137				
2,4,5-Trichlorophenol	1,050	100	1,000	0	105	45.8	146				
2-Chloronaphthalene	1,170	75.0	1,000	0	117	49.7	140				
2-Nitroaniline	1,070	100	1,000	0	107	46.3	141				
Acenaphthene	1,110	50.0	1,000	0	111	51.1	139				
Dimethylphthalate	1,150	100	1,000	0	115	56	129				
2,6-Dinitrotoluene	1,070	100	1,000	0	107	61	137				
Acenaphthylene	1,120	50.0	1,000	0	112	49.6	134				
2,4-Dinitrophenol	632	525	2,000	0	31.6	5	80.3				
Dibenzofuran	1,120	75.0	1,000	0	112	50.4	141				
2,4-Dinitrotoluene	1,200	100	1,000	0	120	61.8	134				
4-Nitrophenol	1,250	500	1,000	0	125	23	137				
Fluorene	1,160	50.0	1,000	0	116	49.6	142				
4-Chlorophenyl phenyl ether	1,100	75.0	1,000	0	110	52.5	137				
Diethylphthalate	1,150	100	1,000	0	115	57.7	135				
4,6-Dinitro-2-methylphenol	662	200	1,000	0	66.2	5	103				
4-Bromophenyl phenyl ether	1,080	75.0	1,000	0	108	48.2	141				
Hexachlorobenzene	1,160	75.0	1,000	0	116	54.1	136				
Pentachlorophenol	328	100	1,000	0	32.8	5	140				
Phenanthrene	1,200	50.0	1,000	0	120	51.5	135				
Anthracene	1,210	50.0	1,000	0	121	46.6	137				
Carbazole	1,210	75.0	1,000	0	121	48.2	136				
Di-n-butylphthalate	1,120	100	1,000	0	112	58.6	131				
Fluoranthene	1,250	50.0	1,000	0	125	48.7	133				
Pyrene	1,200	50.0	1,000	0	120	48.8	134				



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: LCS-28538	SampType: LCS	Units: µg/Kg			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: LCSS	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192612			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Butyl Benzylphthalate	1,130	100	1,000	0	113	49.4	147				
bis(2-Ethylhexyl)adipate	1,070	100	1,000	0	107	45.5	151				
Benz(a)anthracene	1,150	50.0	1,000	0	115	55.6	134				
Chrysene	1,230	50.0	1,000	0	123	47.4	144				
bis (2-Ethylhexyl) phthalate	1,080	100	1,000	0	108	49.4	152				
Di-n-octyl phthalate	997	100	1,000	0	99.7	45.5	148				
Benzo(b)fluoranthene	1,120	50.0	1,000	0	112	44.7	150				
Benzo(k)fluoranthene	1,200	50.0	1,000	0	120	44.3	143				
Benzo(a)pyrene	1,170	50.0	1,000	0	117	60.5	136				
Indeno(1,2,3-cd)pyrene	1,210	50.0	1,000	0	121	49.5	141				
Dibenz(a,h)anthracene	1,290	50.0	1,000	0	129	48.7	138				
Benzo(g,h,i)perylene	1,210	50.0	1,000	0	121	51.4	137				
Surr: 2,4,6-Tribromophenol	837		1,000		83.7	5	139				
Surr: 2-Fluorobiphenyl	475		500.0		95.0	5	131				
Surr: Nitrobenzene-d5	436		500.0		87.1	5	123				
Surr: Phenol-d6	926		1,000		92.6	5	129				
Surr: p-Terphenyl	537		500.0		107	13.8	140				

Sample ID: 2005395-007AMS	SampType: MS	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: BATCH	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192616			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	936	110	1,095	0	85.5	27	113				
Bis(2-chloroethyl) ether	859	110	1,095	0	78.4	19.7	113				
2-Chlorophenol	948	110	1,095	0	86.6	24.7	118				
1,3-Dichlorobenzene	768	82.2	1,095	0	70.1	20.6	99.9				
1,4-Dichlorobenzene	752	82.2	1,095	0	68.6	22.6	101				
1,2-Dichlorobenzene	807	82.2	1,095	0	73.6	26.2	103				
Benzyl alcohol	956	110	1,095	0	87.3	5	169				
2-Methylphenol (o-cresol)	1,000	110	1,095	0	91.7	23.3	122				



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 2005395-007AMS	SampType: MS	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: BATCH	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192616			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	753	110	1,095	0	68.8	16.9	100				
N-Nitrosodi-n-propylamine	990	110	1,095	0	90.4	25.6	131				
3&4-Methylphenol (m, p-cresol)	963	110	1,095	0	87.9	27.9	118				
Nitrobenzene	957	110	1,095	0	87.3	23	121				
Isophorone	924	110	1,095	0	84.4	26.8	128				
2-Nitrophenol	975	110	1,095	0	89.0	34.6	130				
2,4-Dimethylphenol	956	110	1,095	0	87.3	13.4	129				
Bis(2-chloroethoxy)methane	1,010	82.2	1,095	0	92.6	30.3	119				
2,4-Dichlorophenol	978	110	1,095	0	89.3	27	133				
1,2,4-Trichlorobenzene	974	82.2	1,095	0	88.9	32.1	120				
Naphthalene	936	54.8	1,095	0	85.4	24.7	126				
4-Chloroaniline	643	82.2	1,095	0	58.7	10.9	114				
Hexachlorobutadiene	876	82.2	1,095	0	80.0	32.4	113				
4-Chloro-3-methylphenol	956	219	1,095	0	87.2	28.7	135				
2-Methylnaphthalene	962	54.8	1,095	0	87.9	31.1	125				
1-Methylnaphthalene	944	54.8	1,095	0	86.1	29.6	125				
Hexachlorocyclopentadiene	945	110	1,095	0	86.3	5	117				
2,4,6-Trichlorophenol	906	110	1,095	0	82.7	31	125				
2,4,5-Trichlorophenol	1,040	110	1,095	0	94.7	28.7	130				
2-Chloronaphthalene	1,030	82.2	1,095	0	94.3	37.2	121				
2-Nitroaniline	880	110	1,095	0	80.3	19.5	145				
Acenaphthene	1,000	54.8	1,095	0	91.5	34.2	128				
Dimethylphthalate	1,010	110	1,095	0	92.6	25.5	125				
2,6-Dinitrotoluene	986	110	1,095	0	90.0	41.4	127				
Acenaphthylene	997	54.8	1,095	0	91.0	34.5	121				
2,4-Dinitrophenol	1,490	575	2,191	0	68.2	5	74.3				
Dibenzofuran	1,010	82.2	1,095	0	92.3	30.8	128				
2,4-Dinitrotoluene	977	110	1,095	0	89.2	35.8	132				
4-Nitrophenol	821	548	1,095	0	74.9	5	152				
Fluorene	1,040	54.8	1,095	0	95.4	34.4	127				
4-Chlorophenyl phenyl ether	966	82.2	1,095	0	88.2	37.4	121				



Date: 6/15/2020

Work Order: 2006001

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 2005395-007AMS	SampType: MS	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: BATCH	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192616			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diethylphthalate	1,000	110	1,095	0	91.4	36	131				
4,6-Dinitro-2-methylphenol	1,070	219	1,095	0	97.6	5	109				
4-Bromophenyl phenyl ether	982	82.2	1,095	0	89.6	36.7	121				
Hexachlorobenzene	986	82.2	1,095	0	90.0	34.4	127				
Pentachlorophenol	950	110	1,095	0	86.7	5	149				
Phenanthrene	1,010	54.8	1,095	0	92.5	30.6	128				
Anthracene	978	54.8	1,095	0	89.3	30.5	124				
Carbazole	1,030	82.2	1,095	0	93.8	28.8	128				
Di-n-butylphthalate	977	110	1,095	0	89.1	36.1	132				
Fluoranthene	1,040	54.8	1,095	0	94.7	30.9	125				
Pyrene	1,040	54.8	1,095	0	94.9	31	125				
Butyl Benzylphthalate	943	110	1,095	0	86.1	35.1	138				
bis(2-Ethylhexyl)adipate	885	110	1,095	0	80.8	36.5	136				
Benz(a)anthracene	969	54.8	1,095	0	88.5	18.4	142				
Chrysene	1,080	54.8	1,095	0	98.8	27.4	134				
bis (2-Ethylhexyl) phthalate	999	110	1,095	0	91.2	38.6	144				
Di-n-octyl phthalate	993	110	1,095	0	90.6	37.1	145				
Benzo(b)fluoranthene	1,130	54.8	1,095	0	103	33.5	134				
Benzo(k)fluoranthene	1,180	54.8	1,095	0	107	14	133				
Benzo(a)pyrene	1,020	54.8	1,095	0	93.0	28.9	142				
Indeno(1,2,3-cd)pyrene	1,020	54.8	1,095	0	93.3	25.6	130				
Dibenz(a,h)anthracene	1,060	54.8	1,095	0	96.8	27.9	126				
Benzo(g,h,i)perylene	1,020	54.8	1,095	0	93.0	23.9	125				
Surr: 2,4,6-Tribromophenol	796		1,095		72.7	5	139				
Surr: 2-Fluorobiphenyl	432		547.7		78.8	5	131				
Surr: Nitrobenzene-d5	393		547.7		71.7	5	123				
Surr: Phenol-d6	780		1,095		71.2	5	129				
Surr: p-Terphenyl	441		547.7		80.5	13.8	140				



Date: 6/15/2020

Work Order: 2006001

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 2005395-007AMSD	SampType: MSD	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: BATCH	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192617			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	889	113	1,126	0	79.0	27	113	936.5	5.19	50	
Bis(2-chloroethyl) ether	715	113	1,126	0	63.5	19.7	113	858.6	18.3	50	
2-Chlorophenol	838	113	1,126	0	74.4	24.7	118	948.4	12.4	50	
1,3-Dichlorobenzene	640	84.4	1,126	0	56.9	20.6	99.9	768.0	18.1	50	
1,4-Dichlorobenzene	644	84.4	1,126	0	57.2	22.6	101	751.6	15.4	50	
1,2-Dichlorobenzene	622	84.4	1,126	0	55.3	26.2	103	806.6	25.8	50	
Benzyl alcohol	904	113	1,126	0	80.3	5	169	956.4	5.66	50	
2-Methylphenol (o-cresol)	938	113	1,126	0	83.3	23.3	122	1,004	6.83	50	
Hexachloroethane	623	113	1,126	0	55.3	16.9	100	753.4	19.0	50	
N-Nitrosodi-n-propylamine	912	113	1,126	0	81.1	25.6	131	989.7	8.13	50	
3&4-Methylphenol (m, p-cresol)	963	113	1,126	0	85.5	27.9	118	962.7	0.0102	50	
Nitrobenzene	817	113	1,126	0	72.6	23	121	956.6	15.7	50	
Isophorone	969	113	1,126	0	86.1	26.8	128	924.4	4.70	50	
2-Nitrophenol	817	113	1,126	0	72.6	34.6	130	974.8	17.6	50	
2,4-Dimethylphenol	901	113	1,126	0	80.1	13.4	129	956.2	5.90	50	
Bis(2-chloroethoxy)methane	907	84.4	1,126	0	80.6	30.3	119	1,015	11.2	50	
2,4-Dichlorophenol	930	113	1,126	0	82.6	27	133	978.4	5.11	50	
1,2,4-Trichlorobenzene	856	84.4	1,126	0	76.1	32.1	120	974.0	12.9	50	
Naphthalene	820	56.3	1,126	0	72.9	24.7	126	935.7	13.1	50	
4-Chloroaniline	637	84.4	1,126	0	56.6	10.9	114	642.6	0.904	50	
Hexachlorobutadiene	658	84.4	1,126	0	58.4	32.4	113	875.9	28.4	50	
4-Chloro-3-methylphenol	917	225	1,126	0	81.4	28.7	135	955.7	4.16	50	
2-Methylnaphthalene	902	56.3	1,126	0	80.1	31.1	125	962.5	6.47	50	
1-Methylnaphthalene	897	56.3	1,126	0	79.6	29.6	125	943.6	5.12	50	
Hexachlorocyclopentadiene	843	113	1,126	0	74.9	5	117	945.2	11.4	50	
2,4,6-Trichlorophenol	883	113	1,126	0	78.5	31	125	906.4	2.58	50	
2,4,5-Trichlorophenol	978	113	1,126	0	86.9	28.7	130	1,037	5.82	50	
2-Chloronaphthalene	971	84.4	1,126	0	86.3	37.2	121	1,033	6.12	50	
2-Nitroaniline	893	113	1,126	0	79.3	19.5	145	880.1	1.40	50	
Acenaphthene	927	56.3	1,126	0	82.3	34.2	128	1,002	7.83	50	
Dimethylphthalate	974	113	1,126	0	86.5	25.5	125	1,014	4.11	50	

73 of 113



Date: 6/15/2020

Work Order: 2006001

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 2005395-007AMSD	SampType: MSD	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: BATCH	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192617			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,6-Dinitrotoluene	1,030	113	1,126	0	91.3	41.4	127	986.4	4.14	50	
Acenaphthylene	997	56.3	1,126	0	88.5	34.5	121	996.6	0.00372	50	
2,4-Dinitrophenol	1,570	591	2,251	0	69.5	5	74.3	1,495	4.61	50	
Dibenzofuran	911	84.4	1,126	0	81.0	30.8	128	1,011	10.4	50	
2,4-Dinitrotoluene	985	113	1,126	0	87.5	35.8	132	977.3	0.759	50	
4-Nitrophenol	917	563	1,126	0	81.4	5	152	820.6	11.1	50	
Fluorene	954	56.3	1,126	0	84.7	34.4	127	1,045	9.11	50	
4-Chlorophenyl phenyl ether	915	84.4	1,126	0	81.3	37.4	121	966.3	5.43	50	
Diethylphthalate	959	113	1,126	0	85.2	36	131	1,001	4.24	50	
4,6-Dinitro-2-methylphenol	1,050	225	1,126	0	93.4	5	109	1,069	1.75	50	
4-Bromophenyl phenyl ether	927	84.4	1,126	0	82.4	36.7	121	981.8	5.69	50	
Hexachlorobenzene	935	84.4	1,126	0	83.1	34.4	127	985.9	5.29	50	
Pentachlorophenol	891	113	1,126	0	79.1	5	149	949.6	6.42	50	
Phenanthrene	999	56.3	1,126	0	88.7	30.6	128	1,013	1.41	50	
Anthracene	1,010	56.3	1,126	0	89.3	30.5	124	978.5	2.71	50	
Carbazole	956	84.4	1,126	0	84.9	28.8	128	1,028	7.29	50	
Di-n-butylphthalate	962	113	1,126	0	85.5	36.1	132	976.6	1.49	50	
Fluoranthene	987	56.3	1,126	0	87.7	30.9	125	1,037	4.95	50	
Pyrene	1,000	56.3	1,126	0	89.0	31	125	1,040	3.73	50	
Butyl Benzylphthalate	974	113	1,126	0	86.5	35.1	138	942.9	3.25	50	
bis(2-Ethylhexyl)adipate	915	113	1,126	0	81.3	36.5	136	885.0	3.33	50	
Benz(a)anthracene	1,010	56.3	1,126	0	89.6	18.4	142	969.2	3.92	50	
Chrysene	1,000	56.3	1,126	0	89.3	27.4	134	1,082	7.44	50	
bis (2-Ethylhexyl) phthalate	895	113	1,126	0	79.5	38.6	144	999.3	11.0	50	
Di-n-octyl phthalate	872	113	1,126	0	77.5	37.1	145	992.7	12.9	50	
Benzo(b)fluoranthene	995	56.3	1,126	0	88.4	33.5	134	1,133	13.0	50	
Benzo(k)fluoranthene	936	56.3	1,126	0	83.2	14	133	1,175	22.6	50	
Benzo(a)pyrene	952	56.3	1,126	0	84.6	28.9	142	1,019	6.75	50	
Indeno(1,2,3-cd)pyrene	994	56.3	1,126	0	88.3	25.6	130	1,022	2.82	50	
Dibenz(a,h)anthracene	1,010	56.3	1,126	0	89.3	27.9	126	1,060	5.31	50	
Benzo(g,h,i)perylene	1,070	56.3	1,126	0	95.1	23.9	125	1,019	4.91	50	



Date: 6/15/2020

Work Order: 2006001

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: 2005395-007AMSD	SampType: MSD	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: BATCH	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192617			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	902		1,126		80.2	5	139		0		
Surr: 2-Fluorobiphenyl	464		562.8		82.4	5	131		0		
Surr: Nitrobenzene-d5	447		562.8		79.4	5	123		0		
Surr: Phenol-d6	875		1,126		77.8	5	129		0		
Surr: p-Terphenyl	467		562.8		83.0	13.8	140		0		

Sample ID: 2005395-007ADUP	SampType: DUP	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59620			
Client ID: BATCH	Batch ID: 28538				Analysis Date: 6/5/2020			SeqNo: 1192618			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	106						0		50	
Bis(2-chloroethyl) ether	ND	106						0		50	
2-Chlorophenol	ND	106						0		50	
1,3-Dichlorobenzene	ND	79.8						0		50	
1,4-Dichlorobenzene	ND	79.8						0		50	
1,2-Dichlorobenzene	ND	79.8						0		50	
Benzyl alcohol	ND	106						0		50	
2-Methylphenol (o-cresol)	ND	106						0		50	
Hexachloroethane	ND	106						0		50	
N-Nitrosodi-n-propylamine	ND	106						0		50	
3&4-Methylphenol (m, p-cresol)	ND	106						0		50	
Nitrobenzene	ND	106						0		50	
Isophorone	ND	106						0		50	
2-Nitrophenol	ND	106						0		50	
2,4-Dimethylphenol	ND	106						0		50	
Bis(2-chloroethoxy)methane	ND	79.8						0		50	
2,4-Dichlorophenol	ND	106						0		50	
1,2,4-Trichlorobenzene	ND	79.8						0		50	
Naphthalene	ND	53.2						0		50	
4-Chloroaniline	ND	79.8						0		50	



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 2005395-007ADUP	SampType: DUP	Units: µg/Kg-dry		Prep Date: 6/3/2020		RunNo: 59620					
Client ID: BATCH	Batch ID: 28538			Analysis Date: 6/5/2020		SeqNo: 1192618					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	79.8						0		50	
4-Chloro-3-methylphenol	ND	213						0		50	
2-Methylnaphthalene	ND	53.2						0		50	
1-Methylnaphthalene	ND	53.2						0		50	
Hexachlorocyclopentadiene	ND	106						0		50	
2,4,6-Trichlorophenol	ND	106						0		50	
2,4,5-Trichlorophenol	ND	106						0		50	
2-Chloronaphthalene	ND	79.8						0		50	
2-Nitroaniline	ND	106						0		50	Q
Acenaphthene	ND	53.2						0		50	
Dimethylphthalate	ND	106						0		50	
2,6-Dinitrotoluene	ND	106						0		50	
Acenaphthylene	ND	53.2						0		50	
2,4-Dinitrophenol	ND	559						0		50	
Dibenzofuran	ND	79.8						0		50	
2,4-Dinitrotoluene	ND	106						0		50	
4-Nitrophenol	ND	532						0		50	
Fluorene	ND	53.2						0		50	
4-Chlorophenyl phenyl ether	ND	79.8						0		50	
Diethylphthalate	ND	106						0		50	
4,6-Dinitro-2-methylphenol	ND	213						0		50	
4-Bromophenyl phenyl ether	ND	79.8						0		50	
Hexachlorobenzene	ND	79.8						0		50	
Pentachlorophenol	ND	106						0		50	
Phenanthrene	ND	53.2						0		50	
Anthracene	ND	53.2						0		50	
Carbazole	ND	79.8						0		50	
Di-n-butylphthalate	ND	106						0		50	
Fluoranthene	ND	53.2						0		50	
Pyrene	ND	53.2						0		50	
Butyl Benzylphthalate	ND	106						0		50	



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 2005395-007ADUP	SampType: DUP	Units: µg/Kg-dry		Prep Date: 6/3/2020		RunNo: 59620					
Client ID: BATCH	Batch ID: 28538			Analysis Date: 6/5/2020		SeqNo: 1192618					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
bis(2-Ethylhexyl)adipate	ND	106						0		50	
Benz(a)anthracene	ND	53.2						0		50	
Chrysene	ND	53.2						0		50	
bis (2-Ethylhexyl) phthalate	ND	106						0		50	
Di-n-octyl phthalate	ND	106						0		50	Q
Benzo(b)fluoranthene	ND	53.2						0		50	
Benzo(k)fluoranthene	ND	53.2						0		50	
Benzo(a)pyrene	ND	53.2						0		50	
Indeno(1,2,3-cd)pyrene	ND	53.2						0		50	
Dibenz(a,h)anthracene	ND	53.2						0		50	
Benzo(g,h,i)perylene	ND	53.2						0		50	
Surr: 2,4,6-Tribromophenol	582		1,064		54.7	5	139		0		
Surr: 2-Fluorobiphenyl	337		531.9		63.4	5	131		0		
Surr: Nitrobenzene-d5	277		531.9		52.1	5	123		0		
Surr: Phenol-d6	648		1,064		60.9	5	129		0		
Surr: p-Terphenyl	354		531.9		66.6	13.8	140		0		

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: MBLK-28563	SampType: MBLK	Units: mg/Kg			Prep Date: 6/5/2020			RunNo: 59649			
Client ID: MBLKS	Batch ID: 28563				Analysis Date: 6/5/2020			SeqNo: 1193278			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.195									
Lead	ND	0.156									

Sample ID: LCS-28563	SampType: LCS	Units: mg/Kg			Prep Date: 6/5/2020			RunNo: 59649			
Client ID: LCSS	Batch ID: 28563				Analysis Date: 6/5/2020			SeqNo: 1193279			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	39.8	0.200	40.00	0	99.6	80	120				
Lead	20.2	0.160	20.00	0	101	80	120				

Sample ID: 2006001-019ADUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 6/5/2020			RunNo: 59649			
Client ID: SB-25-1'	Batch ID: 28563				Analysis Date: 6/5/2020			SeqNo: 1193283			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	3.92	0.207						3.067	24.4	20	R
Lead	2.26	0.165						1.823	21.2	20	R

NOTES:

R - High RPD observed. The method is in control as indicated by the LCS.

Sample ID: 2006001-019AMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 6/5/2020			RunNo: 59649			
Client ID: SB-25-1'	Batch ID: 28563				Analysis Date: 6/5/2020			SeqNo: 1193285			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	41.6	0.197	39.48	3.067	97.6	75	125				
Lead	18.1	0.158	19.74	1.823	82.6	75	125				



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: 2006001-019AMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 6/5/2020			RunNo: 59649			
Client ID: SB-25-1'	Batch ID: 28563				Analysis Date: 6/5/2020			SeqNo: 1193286			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	42.7	0.208	41.69	3.067	95.1	75	125	41.60	2.64	20	
Lead	18.6	0.167	20.84	1.823	80.3	75	125	18.13	2.40	20	



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: MBLK-28562	SampType: MBLK	Units: mg/Kg			Prep Date: 6/5/2020			RunNo: 59636			
Client ID: MBLKS	Batch ID: 28562				Analysis Date: 6/5/2020			SeqNo: 1192975			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.194									
Barium	ND	0.388									
Cadmium	ND	0.155									
Chromium	ND	0.0775									
Lead	ND	0.155									
Selenium	ND	0.388									
Silver	ND	0.0775									

Sample ID: LCS-28562	SampType: LCS	Units: mg/Kg			Prep Date: 6/5/2020			RunNo: 59636			
Client ID: LCSS	Batch ID: 28562				Analysis Date: 6/5/2020			SeqNo: 1192976			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	36.2	0.188	37.59	0	96.4	80	120				
Barium	40.3	0.376	37.59	0	107	80	120				
Cadmium	1.75	0.150	1.880	0	93.0	80	120				
Chromium	38.6	0.0752	37.59	0	103	80	120				
Selenium	3.56	0.376	3.759	0	94.7	80	120				
Silver	7.65	0.0752	9.398	0	81.4	80	120				

Sample ID: 2005160-002ADUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 6/5/2020			RunNo: 59636			
Client ID: BATCH	Batch ID: 28562				Analysis Date: 6/5/2020			SeqNo: 1192978			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	6.34	0.229						6.395	0.801	20	
Barium	118	0.459						110.5	6.43	20	
Cadmium	0.371	0.183						0.2849	26.4	20	
Chromium	29.4	0.0917						26.19	11.7	20	
Lead	29.6	0.183						36.67	21.4	20	R
Selenium	1.06	0.459						1.017	3.97	20	
Silver	0.166	0.0917						0.4528	92.6	20	RB



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT**Total Metals by EPA Method 6020B**

Sample ID: 2005160-002ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/5/2020	RunNo: 59636
Client ID: BATCH	Batch ID: 28562		Analysis Date: 6/5/2020	SeqNo: 1192978
Analyte	Result	RL	SPK value	SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual

NOTES:

R - High RPD observed. The method is in control as indicated by the LCS.

B - Indicates a detection in the ICB or CCB.

Sample ID: 2005160-002AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/5/2020	RunNo: 59636
Client ID: BATCH	Batch ID: 28562		Analysis Date: 6/5/2020	SeqNo: 1192980
Analyte	Result	RL	SPK value	SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual

Arsenic	51.3	0.231	46.24	6.395	97.0	75	125	
Barium	164	0.462	46.24	110.5	116	75	125	
Cadmium	2.66	0.185	2.312	0.2849	103	75	125	
Chromium	77.1	0.0925	46.24	26.19	110	75	125	
Lead	45.8	0.185	23.12	36.67	39.6	75	125	S
Selenium	5.58	0.462	4.624	1.017	98.6	75	125	
Silver	8.53	0.0925	11.56	0.4528	69.9	75	125	S

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed and recovered within range.

Sample ID: 2005160-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 6/5/2020	RunNo: 59636
Client ID: BATCH	Batch ID: 28562		Analysis Date: 6/5/2020	SeqNo: 1192981
Analyte	Result	RL	SPK value	SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual

Arsenic	54.4	0.224	44.81	6.395	107	75	125	51.26	5.91	20
Barium	162	0.448	44.81	110.5	116	75	125	164.0	0.916	20
Cadmium	2.73	0.179	2.241	0.2849	109	75	125	2.657	2.53	20
Chromium	81.7	0.0896	44.81	26.19	124	75	125	77.09	5.83	20
Lead	40.3	0.179	22.41	36.67	16.3	75	125	45.83	12.8	20 S
Selenium	5.50	0.448	4.481	1.017	100	75	125	5.578	1.45	20
Silver	9.48	0.0896	11.20	0.4528	80.6	75	125	8.530	10.5	20

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: 2005160-002APDS	SampType: PDS	Units: mg/Kg-dry			Prep Date: 6/5/2020			RunNo: 59636
Client ID: BATCH	Batch ID: 28562				Analysis Date: 6/5/2020			SeqNo: 1192982
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val
Lead	56.1	0.181	22.6	36.7	86.2	75	125	

Sample ID: LCS-28562	SampType: LCS	Units: mg/Kg			Prep Date: 6/5/2020			RunNo: 59636
Client ID: LCSS	Batch ID: 28562				Analysis Date: 6/8/2020			SeqNo: 1193441
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val
Lead	19.3	0.150	18.80	0	103	80	120	



Date: 6/15/2020

Work Order: 2006001

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT**Volatile Organic Compounds by EPA Method 8260D**

Sample ID: LCS-28544	SampType: LCS	Units: mg/Kg			Prep Date: 6/4/2020			RunNo: 59665			
Client ID: LCSS	Batch ID: 28544				Analysis Date: 6/5/2020			SeqNo: 1193512			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.93	0.0200	1.000	0	193	13.4	185				S
Chloromethane	1.03	0.0500	1.000	0	103	38.5	158				
Vinyl chloride	1.14	0.0250	1.000	0	114	53.6	138				
Bromomethane	0.696	0.0500	1.000	0	69.6	56.6	151				
Trichlorofluoromethane (CFC-11)	1.18	0.0200	1.000	0	118	64.2	137				
Chloroethane	0.582	0.0500	1.000	0	58.2	54.1	134				
1,1-Dichloroethene	1.12	0.0200	1.000	0	112	66	133				
Methylene chloride	1.02	0.0200	1.000	0	102	74.3	117				
trans-1,2-Dichloroethene	1.06	0.0200	1.000	0	106	79.6	115				
Methyl tert-butyl ether (MTBE)	0.995	0.0500	1.000	0	99.5	73.1	119				
1,1-Dichloroethane	0.991	0.0200	1.000	0	99.1	75.8	117				
cis-1,2-Dichloroethene	1.03	0.0200	1.000	0	103	77.8	115				
Chloroform	0.982	0.0200	1.000	0	98.2	78.2	115				
1,1,1-Trichloroethane (TCA)	1.02	0.0250	1.000	0	102	76	121				
1,1-Dichloropropene	1.01	0.0200	1.000	0	101	77.2	120				
Carbon tetrachloride	1.02	0.0500	1.000	0	102	74	122				
1,2-Dichloroethane (EDC)	0.942	0.0200	1.000	0	94.2	74.7	115				
Benzene	0.972	0.0200	1.000	0	97.2	80.5	114				
Trichloroethene (TCE)	1.01	0.0200	1.000	0	101	79.6	118				
1,2-Dichloropropane	0.907	0.0200	1.000	0	90.7	78.2	115				
Bromodichloromethane	0.909	0.0200	1.000	0	90.9	76.6	116				
Dibromomethane	0.928	0.0200	1.000	0	92.8	77.9	115				
cis-1,3-Dichloropropene	0.986	0.0200	1.000	0	98.6	74.6	119				
Toluene	1.00	0.0200	1.000	0	100	79.6	116				
trans-1,3-Dichloropropylene	0.951	0.0200	1.000	0	95.1	70.6	124				
1,1,2-Trichloroethane	0.904	0.0200	1.000	0	90.4	75.6	116				
1,3-Dichloropropane	0.882	0.0250	1.000	0	88.2	75.3	116				
Tetrachloroethene (PCE)	1.09	0.0250	1.000	0	109	78.8	119				
Dibromochloromethane	0.890	0.0250	1.000	0	89.0	72.5	123				
1,2-Dibromoethane (EDB)	0.901	0.00500	1.000	0	90.1	75	116				
Chlorobenzene	0.990	0.0250	1.000	0	99.0	83.4	113				



Date: 6/15/2020

Work Order: 2006001

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-28544	SampType: LCS	Units: mg/Kg			Prep Date: 6/4/2020			RunNo: 59665			
Client ID: LCSS	Batch ID: 28544				Analysis Date: 6/5/2020			SeqNo: 1193512			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.966	0.0250	1.000	0	96.6	80.8	117				
Ethylbenzene	0.971	0.0250	1.000	0	97.1	81.6	116				
m,p-Xylene	1.98	0.0500	2.000	0	99.0	80.9	117				
o-Xylene	0.989	0.0250	1.000	0	98.9	80.8	114				
Styrene	0.981	0.0250	1.000	0	98.1	80.4	114				
Isopropylbenzene	1.00	0.0250	1.000	0	100	79.3	118				
Bromoform	0.890	0.0500	1.000	0	89.0	71	129				
1,1,2,2-Tetrachloroethane	0.840	0.0200	1.000	0	84.0	71.3	119				
n-Propylbenzene	0.994	0.0250	1.000	0	99.4	80.4	120				
Bromobenzene	1.02	0.0200	1.000	0	102	78.6	115				
1,3,5-Trimethylbenzene	1.03	0.0250	1.000	0	103	80	116				
2-Chlorotoluene	0.981	0.0250	1.000	0	98.1	78.6	116				
4-Chlorotoluene	0.994	0.0250	1.000	0	99.4	78.8	117				
tert-Butylbenzene	1.09	0.0250	1.000	0	109	77.8	118				
1,2,3-Trichloropropane	0.894	0.0250	1.000	0	89.4	67.5	129				
1,2,4-Trichlorobenzene	1.03	0.0250	1.000	0	103	79.6	124				
sec-Butylbenzene	1.09	0.0500	1.000	0	109	78.6	119				
4-Isopropyltoluene	1.09	0.0500	1.000	0	109	78	119				
1,3-Dichlorobenzene	1.07	0.0200	1.000	0	107	87.1	117				
1,4-Dichlorobenzene	1.02	0.0200	1.000	0	102	87.6	115				
n-Butylbenzene	1.02	0.0250	1.000	0	102	81.9	122				
1,2-Dichlorobenzene	0.979	0.0200	1.000	0	97.9	87.9	115				
1,2-Dibromo-3-chloropropane	0.777	0.500	1.000	0	77.7	65.6	132				
1,2,4-Trimethylbenzene	1.09	0.0200	1.000	0	109	79.3	117				
Hexachloro-1,3-butadiene	1.18	0.0500	1.000	0	118	75	130				
Naphthalene	0.877	0.0500	1.000	0	87.7	71.7	132				
1,2,3-Trichlorobenzene	0.987	0.0200	1.000	0	98.7	74.3	128				
Surr: Dibromofluoromethane	1.29		1.250		103	83.3	111				
Surr: Toluene-d8	1.27		1.250		102	87.9	111				
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		102	85.1	111				



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-28544	SampType: LCS	Units: mg/Kg	Prep Date: 6/4/2020	RunNo: 59665
Client ID: LCSS	Batch ID: 28544		Analysis Date: 6/5/2020	SeqNo: 1193512
Analyte	Result	RL	SPK value	SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual

NOTES:

S - Outlying spike recovery observed (high bias). Samples are non-detect for this analyte; no further action required.

Sample ID: MB-28544	SampType: MBLK	Units: mg/Kg	Prep Date: 6/4/2020	RunNo: 59665
Client ID: MBLKS	Batch ID: 28544		Analysis Date: 6/5/2020	SeqNo: 1193513
Analyte	Result	RL	SPK value	SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0200										
Chloromethane	ND	0.0500										Q
Vinyl chloride	ND	0.0250										
Bromomethane	ND	0.0500										Q
Trichlorofluoromethane (CFC-11)	ND	0.0200										
Chloroethane	ND	0.0500										Q
1,1-Dichloroethene	ND	0.0200										
Methylene chloride	ND	0.0200										
trans-1,2-Dichloroethene	ND	0.0200										
Methyl tert-butyl ether (MTBE)	ND	0.0500										
1,1-Dichloroethane	ND	0.0200										
cis-1,2-Dichloroethene	ND	0.0200										
Chloroform	ND	0.0200										
1,1,1-Trichloroethane (TCA)	ND	0.0250										
1,1-Dichloropropene	ND	0.0200										
Carbon tetrachloride	ND	0.0500										
1,2-Dichloroethane (EDC)	ND	0.0200										
Benzene	ND	0.0200										
Trichloroethene (TCE)	ND	0.0200										
1,2-Dichloropropane	ND	0.0200										
Bromodichloromethane	ND	0.0200										
Dibromomethane	ND	0.0200										
cis-1,3-Dichloropropene	ND	0.0200										
Toluene	ND	0.0200										



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: MBLK-28544	SampType: MBLK	Units: mg/Kg			Prep Date: 6/4/2020			RunNo: 59665			
Client ID: MBLKS	Batch ID: 28544				Analysis Date: 6/5/2020			SeqNo: 1193513			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,3-Dichloropropylene	ND	0.0200									
1,1,2-Trichloroethane	ND	0.0200									
1,3-Dichloropropane	ND	0.0250									
Tetrachloroethene (PCE)	ND	0.0250									
Dibromochloromethane	ND	0.0250									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0250									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0250									
Bromoform	ND	0.0500									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0250									
Bromobenzene	ND	0.0200									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0250									
4-Chlorotoluene	ND	0.0250									
tert-Butylbenzene	ND	0.0250									
1,2,3-Trichloropropane	ND	0.0250									
1,2,4-Trichlorobenzene	ND	0.0250									
sec-Butylbenzene	ND	0.0500									
4-Isopropyltoluene	ND	0.0500									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									
n-Butylbenzene	ND	0.0250									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.500									Q
1,2,4-Trimethylbenzene	ND	0.0200									

86

of 113



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-28544	SampType: MBLK	Units: mg/Kg		Prep Date: 6/4/2020		RunNo: 59665					
Client ID: MBLKS	Batch ID: 28544			Analysis Date: 6/5/2020		SeqNo: 1193513					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloro-1,3-butadiene	ND	0.0500									
Naphthalene	ND	0.0500									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: Dibromofluoromethane	1.13		1.250		90.5	83.3	111				
Surr: Toluene-d8	1.15		1.250		92.2	87.9	111				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.3	85.1	111				

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: 2005085-007BDUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 6/4/2020		RunNo: 59665					
Client ID: BATCH	Batch ID: 28544			Analysis Date: 6/5/2020		SeqNo: 1193500					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0306						0		30	H
Chloromethane	ND	0.0765						0		30	QH
Vinyl chloride	ND	0.0382						0		30	H
Bromomethane	ND	0.0765						0		30	QH
Trichlorofluoromethane (CFC-11)	ND	0.0306						0		30	H
Chloroethane	ND	0.0765						0		30	QH
1,1-Dichloroethene	ND	0.0306						0		30	H
Methylene chloride	ND	0.0306						0		30	H
trans-1,2-Dichloroethene	ND	0.0306						0		30	H
Methyl tert-butyl ether (MTBE)	ND	0.0765						0		30	H
1,1-Dichloroethane	ND	0.0306						0		30	H
cis-1,2-Dichloroethene	ND	0.0306						0		30	H
Chloroform	ND	0.0306						0		30	H
1,1,1-Trichloroethane (TCA)	ND	0.0382						0		30	H
1,1-Dichloropropene	ND	0.0306						0		30	H
Carbon tetrachloride	ND	0.0765						0		30	H
1,2-Dichloroethane (EDC)	ND	0.0306						0		30	H
Benzene	ND	0.0306						0		30	H



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT**Volatile Organic Compounds by EPA Method 8260D**

Sample ID: 2005085-007BDUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 6/4/2020		RunNo: 59665					
Client ID: BATCH	Batch ID: 28544			Analysis Date: 6/5/2020		SeqNo: 1193500					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	ND	0.0306						0		30	H
1,2-Dichloropropane	ND	0.0306						0		30	H
Bromodichloromethane	ND	0.0306						0		30	H
Dibromomethane	ND	0.0306						0		30	H
cis-1,3-Dichloropropene	ND	0.0306						0		30	H
Toluene	ND	0.0306						0		30	H
trans-1,3-Dichloropropylene	ND	0.0306						0		30	H
1,1,2-Trichloroethane	ND	0.0306						0		30	H
1,3-Dichloropropane	ND	0.0382						0		30	H
Tetrachloroethene (PCE)	ND	0.0382						0		30	H
Dibromochloromethane	ND	0.0382						0		30	H
1,2-Dibromoethane (EDB)	ND	0.00765						0		30	H
Chlorobenzene	ND	0.0382						0		30	H
1,1,1,2-Tetrachloroethane	ND	0.0382						0		30	H
Ethylbenzene	ND	0.0382						0		30	H
m,p-Xylene	ND	0.0765						0		30	H
o-Xylene	ND	0.0382						0		30	H
Styrene	ND	0.0382						0		30	H
Isopropylbenzene	ND	0.0382						0		30	H
Bromoform	ND	0.0765						0		30	H
1,1,2,2-Tetrachloroethane	ND	0.0306						0		30	H
n-Propylbenzene	ND	0.0382						0		30	H
Bromobenzene	ND	0.0306						0		30	H
1,3,5-Trimethylbenzene	ND	0.0382						0		30	H
2-Chlorotoluene	ND	0.0382						0		30	H
4-Chlorotoluene	ND	0.0382						0		30	H
tert-Butylbenzene	ND	0.0382						0		30	H
1,2,3-Trichloropropane	ND	0.0382						0		30	H
1,2,4-Trichlorobenzene	ND	0.0382						0		30	H
sec-Butylbenzene	ND	0.0765						0		30	H
4-Isopropyltoluene	ND	0.0765						0		30	H



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2005085-007BDUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 6/4/2020		RunNo: 59665					
Client ID: BATCH	Batch ID: 28544			Analysis Date: 6/5/2020		SeqNo: 1193500					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	0.0306						0		30	H
1,4-Dichlorobenzene	ND	0.0306						0		30	H
n-Butylbenzene	ND	0.0382						0		30	H
1,2-Dichlorobenzene	0.0882	0.0306						0.08726	1.02	30	H
1,2-Dibromo-3-chloropropane	ND	0.765						0		30	QH
1,2,4-Trimethylbenzene	ND	0.0306						0		30	H
Hexachloro-1,3-butadiene	ND	0.0765						0		30	H
Naphthalene	ND	0.0765						0		30	H
1,2,3-Trichlorobenzene	ND	0.0306						0		30	H
Surr: Dibromofluoromethane	1.75		1.912		91.3	83.3	111		0		H
Surr: Toluene-d8	1.78		1.912		93.1	87.9	111		0		H
Surr: 1-Bromo-4-fluorobenzene	1.87		1.912		97.8	85.1	111		0		H

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: 2005354-013BDUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 6/4/2020		RunNo: 59665					
Client ID: BATCH	Batch ID: 28544			Analysis Date: 6/6/2020		SeqNo: 1193507					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0264						0		30	
Chloromethane	ND	0.0660						0		30	Q
Vinyl chloride	ND	0.0330						0		30	
Bromomethane	ND	0.0660						0		30	Q
Trichlorofluoromethane (CFC-11)	ND	0.0264						0		30	
Chloroethane	ND	0.0660						0		30	Q
1,1-Dichloroethene	ND	0.0264						0		30	
Methylene chloride	ND	0.0264						0		30	
trans-1,2-Dichloroethene	ND	0.0264						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0660						0		30	
1,1-Dichloroethane	ND	0.0264						0		30	
cis-1,2-Dichloroethene	ND	0.0264						0		30	



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID:	2005354-013BDUP	SampType:	DUP	Units:	mg/Kg-dry	Prep Date:	6/4/2020	RunNo:	59665		
Client ID:	BATCH	Batch ID:	28544			Analysis Date:	6/6/2020	SeqNo:	1193507		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	ND	0.0264						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0330						0		30	
1,1-Dichloropropene	ND	0.0264						0		30	
Carbon tetrachloride	ND	0.0660						0		30	
1,2-Dichloroethane (EDC)	ND	0.0264						0		30	
Benzene	ND	0.0264						0		30	
Trichloroethylene (TCE)	ND	0.0264						0		30	
1,2-Dichloropropane	ND	0.0264						0		30	
Bromodichloromethane	ND	0.0264						0		30	
Dibromomethane	ND	0.0264						0		30	
cis-1,3-Dichloropropene	ND	0.0264						0		30	
Toluene	ND	0.0264						0		30	
trans-1,3-Dichloropropylene	ND	0.0264						0		30	
1,1,2-Trichloroethane	ND	0.0264						0		30	
1,3-Dichloropropane	ND	0.0330						0		30	
Tetrachloroethylene (PCE)	ND	0.0330						0		30	
Dibromochloromethane	ND	0.0330						0		30	
1,2-Dibromoethane (EDB)	ND	0.00660						0		30	
Chlorobenzene	ND	0.0330						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0330						0		30	
Ethylbenzene	ND	0.0330						0		30	
m,p-Xylene	ND	0.0660						0		30	
o-Xylene	ND	0.0330						0		30	
Styrene	ND	0.0330						0		30	
Isopropylbenzene	ND	0.0330						0		30	
Bromoform	ND	0.0660						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0264						0		30	
n-Propylbenzene	ND	0.0330						0		30	
Bromobenzene	ND	0.0264						0		30	
1,3,5-Trimethylbenzene	ND	0.0330						0		30	
2-Chlorotoluene	ND	0.0330						0		30	



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2005354-013BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 6/4/2020			RunNo: 59665			
Client ID: BATCH	Batch ID: 28544				Analysis Date: 6/6/2020			SeqNo: 1193507			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	0.0330						0		30	
tert-Butylbenzene	ND	0.0330						0		30	
1,2,3-Trichloropropane	ND	0.0330						0		30	
1,2,4-Trichlorobenzene	ND	0.0330						0		30	
sec-Butylbenzene	ND	0.0660						0		30	
4-Isopropyltoluene	ND	0.0660						0		30	
1,3-Dichlorobenzene	ND	0.0264						0		30	
1,4-Dichlorobenzene	ND	0.0264						0		30	
n-Butylbenzene	ND	0.0330						0		30	
1,2-Dichlorobenzene	ND	0.0264						0		30	
1,2-Dibromo-3-chloropropane	ND	0.660						0		30	Q
1,2,4-Trimethylbenzene	ND	0.0264						0		30	
Hexachloro-1,3-butadiene	ND	0.0660						0		30	
Naphthalene	ND	0.0660						0		30	
1,2,3-Trichlorobenzene	ND	0.0264						0		30	
Surr: Dibromofluoromethane	1.50		1.649		90.7	83.3	111		0		
Surr: Toluene-d8	1.51		1.649		91.8	87.9	111		0		
Surr: 1-Bromo-4-fluorobenzene	1.60		1.649		97.2	85.1	111		0		

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: 2006001-002CMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 6/4/2020			RunNo: 59665			
Client ID: SB-16-1'	Batch ID: 28544				Analysis Date: 6/6/2020			SeqNo: 1193509			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.40	0.0217	1.083	0	129	5.73	173				
Chloromethane	0.674	0.0542	1.083	0	62.2	41.3	150				
Vinyl chloride	0.962	0.0271	1.083	0	88.9	49.5	138				
Bromomethane	0.594	0.0542	1.083	0	54.8	48.5	158				
Trichlorofluoromethane (CFC-11)	1.05	0.0217	1.083	0	96.6	40.6	159				
Chloroethane	0.545	0.0542	1.083	0	50.3	30.4	166				



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2006001-002CMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 6/4/2020			RunNo: 59665			
Client ID: SB-16-1'	Batch ID: 28544				Analysis Date: 6/6/2020			SeqNo: 1193509			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.993	0.0217	1.083	0	91.7	55	138				
Methylene chloride	0.964	0.0217	1.083	0	89.0	70.3	123				
trans-1,2-Dichloroethene	0.990	0.0217	1.083	0	91.4	73.1	121				
Methyl tert-butyl ether (MTBE)	1.05	0.0542	1.083	0	96.8	69.6	122				
1,1-Dichloroethane	0.933	0.0217	1.083	0	86.1	70.8	122				
cis-1,2-Dichloroethene	0.952	0.0217	1.083	0	87.9	71.8	122				
Chloroform	0.930	0.0217	1.083	0	85.9	72.9	122				
1,1,1-Trichloroethane (TCA)	0.934	0.0271	1.083	0	86.3	69.6	125				
1,1-Dichloropropene	0.902	0.0217	1.083	0	83.2	69.3	126				
Carbon tetrachloride	0.921	0.0542	1.083	0	85.0	65	127				
1,2-Dichloroethane (EDC)	0.926	0.0217	1.083	0	85.5	70.1	121				
Benzene	0.909	0.0217	1.083	0	83.9	76.7	119				
Trichloroethene (TCE)	0.948	0.0217	1.083	0	87.5	70.1	129				
1,2-Dichloropropane	0.871	0.0217	1.083	0	80.4	74.6	120				
Bromodichloromethane	0.861	0.0217	1.083	0	79.5	70.9	122				
Dibromomethane	0.913	0.0217	1.083	0	84.3	75.6	120				
cis-1,3-Dichloropropene	0.912	0.0217	1.083	0	84.2	68.3	120				
Toluene	0.942	0.0217	1.083	0	87.0	74.7	119				
trans-1,3-Dichloropropylene	0.900	0.0217	1.083	0	83.1	62.2	127				
1,1,2-Trichloroethane	0.923	0.0217	1.083	0	85.2	72.9	120				
1,3-Dichloropropane	0.891	0.0271	1.083	0	82.3	71.9	119				
Tetrachloroethene (PCE)	0.995	0.0271	1.083	0	91.9	71.1	122				
Dibromochloromethane	0.873	0.0271	1.083	0	80.6	65.9	126				
1,2-Dibromoethane (EDB)	0.914	0.00542	1.083	0	84.4	72	119				
Chlorobenzene	1.03	0.0271	1.083	0	94.8	81.4	116				
1,1,1,2-Tetrachloroethane	1.01	0.0271	1.083	0	93.0	72.9	125				
Ethylbenzene	0.985	0.0271	1.083	0	91.0	77.1	120				
m,p-Xylene	2.02	0.0542	2.166	0	93.3	76.3	120				
o-Xylene	1.02	0.0271	1.083	0	94.1	76.6	119				
Styrene	1.02	0.0271	1.083	0	94.2	75.1	121				
Isopropylbenzene	1.00	0.0271	1.083	0	92.6	74.8	122				



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2006001-002CMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 6/4/2020			RunNo: 59665			
Client ID: SB-16-1'	Batch ID: 28544				Analysis Date: 6/6/2020			SeqNo: 1193509			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	0.969	0.0542	1.083	0	89.4	63.4	133				
1,1,2,2-Tetrachloroethane	0.932	0.0217	1.083	0	86.0	61	128				
n-Propylbenzene	1.02	0.0271	1.083	0	93.7	73	128				
Bromobenzene	1.06	0.0217	1.083	0	98.2	77	120				
1,3,5-Trimethylbenzene	1.08	0.0271	1.083	0	100	72.1	126				
2-Chlorotoluene	1.07	0.0271	1.083	0	99.1	71.4	126				
4-Chlorotoluene	1.06	0.0271	1.083	0	97.9	73.6	124				
tert-Butylbenzene	1.12	0.0271	1.083	0	103	70.7	126				
1,2,3-Trichloropropane	0.967	0.0271	1.083	0	89.3	65.7	132				
1,2,4-Trichlorobenzene	1.05	0.0271	1.083	0	96.8	70.5	130				
sec-Butylbenzene	1.08	0.0542	1.083	0	99.5	68.8	129				
4-Isopropyltoluene	1.05	0.0542	1.083	0	96.6	69.2	128				
1,3-Dichlorobenzene	1.07	0.0217	1.083	0	98.9	83.8	121				
1,4-Dichlorobenzene	1.05	0.0217	1.083	0	97.1	85.7	117				
n-Butylbenzene	0.984	0.0271	1.083	0	90.8	67.4	133				
1,2-Dichlorobenzene	1.03	0.0217	1.083	0	95.4	81.8	120				
1,2-Dibromo-3-chloropropane	0.922	0.542	1.083	0	85.1	56.9	139				
1,2,4-Trimethylbenzene	1.12	0.0217	1.083	0	104	70.9	127				
Hexachloro-1,3-butadiene	1.17	0.0542	1.083	0	108	61.1	140				
Naphthalene	0.977	0.0542	1.083	0	90.2	63.3	143				
1,2,3-Trichlorobenzene	1.05	0.0217	1.083	0	96.6	67.8	132				
Surr: Dibromofluoromethane	1.27		1.354		93.8	83.3	111				
Surr: Toluene-d8	1.27		1.354		94.0	87.9	111				
Surr: 1-Bromo-4-fluorobenzene	1.38		1.354		102	85.1	111				

Sample ID: 2006001-002CMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 6/4/2020			RunNo: 59665			
Client ID: SB-16-1'	Batch ID: 28544				Analysis Date: 6/6/2020			SeqNo: 1193510			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.28	0.0217	1.083	0	119	5.73	173	1.400	8.64	30	



Date: 6/15/2020

Work Order: 2006001

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2006001-002CMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 6/4/2020			RunNo: 59665			
Client ID: SB-16-1'	Batch ID: 28544				Analysis Date: 6/6/2020			SeqNo: 1193510			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	0.747	0.0542	1.083	0	69.0	41.3	150	0.6736	10.4	30	
Vinyl chloride	0.910	0.0271	1.083	0	84.1	49.5	138	0.9624	5.55	30	
Bromomethane	0.549	0.0542	1.083	0	50.7	48.5	158	0.5938	7.86	30	
Trichlorofluoromethane (CFC-11)	0.962	0.0217	1.083	0	88.8	40.6	159	1.047	8.48	30	
Chloroethane	0.506	0.0542	1.083	0	46.7	30.4	166	0.5446	7.43	30	
1,1-Dichloroethene	0.878	0.0217	1.083	0	81.0	55	138	0.9931	12.3	30	
Methylene chloride	0.935	0.0217	1.083	0	86.3	70.3	123	0.9638	3.07	30	
trans-1,2-Dichloroethene	0.970	0.0217	1.083	0	89.5	73.1	121	0.9897	2.03	30	
Methyl tert-butyl ether (MTBE)	1.08	0.0542	1.083	0	99.3	69.6	122	1.048	2.61	30	
1,1-Dichloroethane	0.885	0.0217	1.083	0	81.7	70.8	122	0.9331	5.24	30	
cis-1,2-Dichloroethene	0.933	0.0217	1.083	0	86.1	71.8	122	0.9518	2.01	30	
Chloroform	0.898	0.0217	1.083	0	83.0	72.9	122	0.9301	3.46	30	
1,1,1-Trichloroethane (TCA)	0.901	0.0271	1.083	0	83.2	69.6	125	0.9343	3.64	30	
1,1-Dichloropropene	0.860	0.0217	1.083	0	79.4	69.3	126	0.9016	4.77	30	
Carbon tetrachloride	0.879	0.0542	1.083	0	81.2	65	127	0.9210	4.66	30	
1,2-Dichloroethane (EDC)	0.922	0.0217	1.083	0	85.2	70.1	121	0.9255	0.345	30	
Benzene	0.891	0.0217	1.083	0	82.3	76.7	119	0.9092	1.97	30	
Trichloroethene (TCE)	0.912	0.0217	1.083	0	84.2	70.1	129	0.9477	3.82	30	
1,2-Dichloropropane	0.857	0.0217	1.083	0	79.1	74.6	120	0.8711	1.63	30	
Bromodichloromethane	0.856	0.0217	1.083	0	79.0	70.9	122	0.8614	0.648	30	
Dibromomethane	0.898	0.0217	1.083	0	82.9	75.6	120	0.9132	1.69	30	
cis-1,3-Dichloropropene	0.896	0.0217	1.083	0	82.7	68.3	120	0.9122	1.82	30	
Toluene	0.917	0.0217	1.083	0	84.7	74.7	119	0.9419	2.65	30	
trans-1,3-Dichloropropylene	0.897	0.0217	1.083	0	82.8	62.2	127	0.9002	0.373	30	
1,1,2-Trichloroethane	0.918	0.0217	1.083	0	84.8	72.9	120	0.9230	0.544	30	
1,3-Dichloropropane	0.872	0.0271	1.083	0	80.5	71.9	119	0.8911	2.21	30	
Tetrachloroethene (PCE)	0.946	0.0271	1.083	0	87.4	71.1	122	0.9951	5.02	30	
Dibromochloromethane	0.868	0.0271	1.083	0	80.1	65.9	126	0.8726	0.527	30	
1,2-Dibromoethane (EDB)	0.896	0.00542	1.083	0	82.7	72	119	0.9137	1.95	30	
Chlorobenzene	1.01	0.0271	1.083	0	92.9	81.4	116	1.027	2.00	30	
1,1,1,2-Tetrachloroethane	0.993	0.0271	1.083	0	91.6	72.9	125	1.007	1.42	30	



Date: 6/15/2020

Work Order: 2006001

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2006001-002CMSD		SampType: MSD		Units: mg/Kg-dry		Prep Date: 6/4/2020		RunNo: 59665			
Client ID:	SB-16-1'	Batch ID:	28544	Analysis Date: 6/6/2020				SeqNo: 1193510			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	0.955	0.0271	1.083	0	88.2	77.1	120	0.9852	3.12	30	
m,p-Xylene	1.98	0.0542	2.166	0	91.2	76.3	120	2.022	2.26	30	
o-Xylene	0.992	0.0271	1.083	0	91.6	76.6	119	1.019	2.70	30	
Styrene	1.01	0.0271	1.083	0	93.5	75.1	121	1.020	0.735	30	
Isopropylbenzene	0.972	0.0271	1.083	0	89.7	74.8	122	1.003	3.21	30	
Bromoform	0.959	0.0542	1.083	0	88.6	63.4	133	0.9687	0.974	30	
1,1,2,2-Tetrachloroethane	0.918	0.0217	1.083	0	84.7	61	128	0.9318	1.54	30	
n-Propylbenzene	0.981	0.0271	1.083	0	90.5	73	128	1.015	3.47	30	
Bromobenzene	1.04	0.0217	1.083	0	96.2	77	120	1.064	2.13	30	
1,3,5-Trimethylbenzene	1.06	0.0271	1.083	0	97.6	72.1	126	1.084	2.53	30	
2-Chlorotoluene	1.04	0.0271	1.083	0	96.3	71.4	126	1.073	2.85	30	
4-Chlorotoluene	1.04	0.0271	1.083	0	96.4	73.6	124	1.061	1.56	30	
tert-Butylbenzene	1.07	0.0271	1.083	0	99.1	70.7	126	1.116	3.82	30	
1,2,3-Trichloropropane	0.955	0.0271	1.083	0	88.2	65.7	132	0.9670	1.20	30	
1,2,4-Trichlorobenzene	1.07	0.0271	1.083	0	99.2	70.5	130	1.049	2.44	30	
sec-Butylbenzene	1.04	0.0542	1.083	0	96.0	68.8	129	1.078	3.62	30	
4-Isopropyltoluene	1.03	0.0542	1.083	0	95.2	69.2	128	1.047	1.52	30	
1,3-Dichlorobenzene	1.08	0.0217	1.083	0	99.8	83.8	121	1.071	0.936	30	
1,4-Dichlorobenzene	1.05	0.0217	1.083	0	97.2	85.7	117	1.051	0.141	30	
n-Butylbenzene	0.966	0.0271	1.083	0	89.2	67.4	133	0.9837	1.82	30	
1,2-Dichlorobenzene	1.02	0.0217	1.083	0	94.6	81.8	120	1.033	0.767	30	
1,2-Dibromo-3-chloropropane	0.914	0.542	1.083	0	84.4	56.9	139	0.9220	0.816	30	
1,2,4-Trimethylbenzene	1.11	0.0217	1.083	0	102	70.9	127	1.124	1.62	30	
Hexachloro-1,3-butadiene	1.17	0.0542	1.083	0	108	61.1	140	1.174	0.705	30	
Naphthalene	1.03	0.0542	1.083	0	95.2	63.3	143	0.9774	5.39	30	
1,2,3-Trichlorobenzene	1.08	0.0217	1.083	0	100	67.8	132	1.046	3.56	30	
Surr: Dibromofluoromethane	1.27		1.354		94.1	83.3	111		0		
Surr: Toluene-d8	1.26		1.354		93.0	87.9	111		0		
Surr: 1-Bromo-4-fluorobenzene	1.37		1.354		101	85.1	111		0		



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT**Volatile Organic Compounds by EPA Method 8260D**

Sample ID: 2006006-001BDUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 6/4/2020		RunNo: 59665					
Client ID: BATCH	Batch ID: 28544			Analysis Date: 6/8/2020		SeqNo: 1193886					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0250						0		30	
Chloromethane	ND	0.0626						0		30	Q
Vinyl chloride	ND	0.0313						0		30	
Bromomethane	ND	0.0626						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0250						0		30	
Chloroethane	ND	0.0626						0		30	
1,1-Dichloroethene	ND	0.0250						0		30	
Methylene chloride	ND	0.0250						0		30	
trans-1,2-Dichloroethene	ND	0.0250						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0626						0		30	
1,1-Dichloroethane	ND	0.0250						0		30	
cis-1,2-Dichloroethene	ND	0.0250						0		30	
Chloroform	ND	0.0250						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0313						0		30	
1,1-Dichloropropene	ND	0.0250						0		30	
Carbon tetrachloride	ND	0.0626						0		30	
1,2-Dichloroethane (EDC)	ND	0.0250						0		30	
Benzene	ND	0.0250						0		30	
Trichloroethene (TCE)	ND	0.0250						0		30	
1,2-Dichloropropane	ND	0.0250						0		30	
Bromodichloromethane	ND	0.0250						0		30	
Dibromomethane	ND	0.0250						0		30	
cis-1,3-Dichloropropene	ND	0.0250						0		30	
Toluene	ND	0.0250						0		30	
trans-1,3-Dichloropropylene	ND	0.0250						0		30	
1,1,2-Trichloroethane	ND	0.0250						0		30	
1,3-Dichloropropane	ND	0.0313						0		30	
Tetrachloroethene (PCE)	ND	0.0313						0		30	
Dibromochloromethane	ND	0.0313						0		30	
1,2-Dibromoethane (EDB)	ND	0.00626						0		30	
Chlorobenzene	ND	0.0313						0		30	



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT**Volatile Organic Compounds by EPA Method 8260D**

Sample ID: 2006006-001BDUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 6/4/2020		RunNo: 59665					
Client ID: BATCH	Batch ID: 28544			Analysis Date: 6/8/2020		SeqNo: 1193886					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.0313						0		30	
Ethylbenzene	ND	0.0313						0		30	
m,p-Xylene	ND	0.0626						0		30	
o-Xylene	ND	0.0313						0		30	
Styrene	ND	0.0313						0		30	
Isopropylbenzene	ND	0.0313						0		30	
Bromoform	ND	0.0626						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0250						0		30	
n-Propylbenzene	ND	0.0313						0		30	
Bromobenzene	ND	0.0250						0		30	
1,3,5-Trimethylbenzene	ND	0.0313						0		30	
2-Chlorotoluene	ND	0.0313						0		30	
4-Chlorotoluene	ND	0.0313						0		30	
tert-Butylbenzene	ND	0.0313						0		30	
1,2,3-Trichloropropane	ND	0.0313						0		30	
1,2,4-Trichlorobenzene	ND	0.0313						0		30	
sec-Butylbenzene	ND	0.0626						0		30	
4-Isopropyltoluene	ND	0.0626						0		30	
1,3-Dichlorobenzene	ND	0.0250						0		30	
1,4-Dichlorobenzene	ND	0.0250						0		30	
n-Butylbenzene	ND	0.0313						0		30	
1,2-Dichlorobenzene	ND	0.0250						0		30	
1,2-Dibromo-3-chloropropane	ND	0.626						0		30	
1,2,4-Trimethylbenzene	ND	0.0250						0		30	
Hexachloro-1,3-butadiene	ND	0.0626						0		30	
Naphthalene	ND	0.0626						0		30	
1,2,3-Trichlorobenzene	ND	0.0250						0		30	
Surr: Dibromofluoromethane	1.47		1.565		94.1	83.3	111		0		
Surr: Toluene-d8	1.48		1.565		94.6	87.9	111		0		
Surr: 1-Bromo-4-fluorobenzene	1.55		1.565		99.0	85.1	111		0		



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2006006-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/4/2020	RunNo: 59665
Client ID: BATCH	Batch ID: 28544		Analysis Date: 6/8/2020	SeqNo: 1193886
Analyte	Result	RL	SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (Mod)

Sample ID: MBLK-28601	SampType: MBLK	Units: µg/Kg			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: MBLKS	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196966			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dicamba	ND	35.0									
2,4-D	ND	30.0									
2,4-DP	ND	25.0									
2,4,5-TP (Silvex)	ND	20.0									
2,4,5-T	ND	50.0									
Dinoseb	ND	30.0									
Dalapon	ND	200									
2,4-DB	ND	25.0									
MCPP	ND	4,400									
MCPA	ND	2,800									
Picloram	ND	50.0									Q
Bentazon	ND	35.0									
Chloramben	ND	20.0									
Acifluorfen	ND	80.0									
3,5-Dichlorobenzoic acid	ND	40.0									
4-Nitrophenol	ND	30.0									
Dacthal (DCPA)	ND	30.0									
Surr: 2,4-Dichlorophenylacetic acid	1,500		1,000		150	15.3	163				

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: LCS-28601	SampType: LCS	Units: µg/Kg			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: LCSS	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196967			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	185	35.0	200.0	0	92.7	21.2	167				
2,4-D	204	30.0	200.0	0	102	32	176				
2,4-DP	191	25.0	200.0	0	95.4	25.8	171				
2,4,5-TP (Silvex)	197	20.0	200.0	0	98.7	23.6	164				
2,4,5-T	200	50.0	200.0	0	99.8	25	166				
Dinoseb	27.9	30.0	200.0	0	13.9	5	168				



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (Mod)

Sample ID: LCS-28601	SampType: LCS	Units: µg/Kg			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: LCSS	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196967			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dalapon	866	200	1,000	0	86.6	29.2	195				
2,4-DB	189	25.0	200.0	0	94.3	8.11	184				
MCPP	977	4,400	1,000	0	97.7	17.3	191				
MCPA	973	2,800	1,000	0	97.3	13.6	192				
Picloram	166	50.0	200.0	0	82.8	5	175				
Bentazon	198	35.0	200.0	0	99.2	21.5	170				
Chloramben	133	20.0	200.0	0	66.3	5	114				
Acifluorfen	94.3	80.0	200.0	0	47.1	5	168				
3,5-Dichlorobenzoic acid	190	40.0	200.0	0	94.9	26.2	174				
4-Nitrophenol	145	30.0	200.0	0	72.6	5.02	160				
Dacthal (DCPA)	211	30.0	200.0	0	105	18	168				
Surrogate: 2,4-Dichlorophenylacetic acid	1,020		1,000		102	15.3	163				

Sample ID: 2006001-018BMS	SampType: MS	Units: µg/Kg-dry			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: SB-25-0.5'	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196982			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	158	35.7	204.0	0	77.4	5	136				
2,4-D	177	30.6	204.0	0	86.8	5	151				
2,4-DP	174	25.5	204.0	0	85.2	5	149				
2,4,5-TP (Silvex)	186	20.4	204.0	0	91.4	5.43	140				
2,4,5-T	173	51.0	204.0	0	84.9	6.68	133				
Dinoseb	87.8	30.6	204.0	0	43.0	5	141				
Dalapon	766	204	1,020	0	75.1	5	179				
2,4-DB	215	25.5	204.0	0	106	5.57	160				
MCPP	893	4,490	1,020	0	87.5	5	174				
MCPA	865	2,860	1,020	0	84.8	5	154				
Picloram	109	51.0	204.0	0	53.6	5	139				
Bentazon	201	35.7	204.0	0	98.3	5.31	146				
Chloramben	139	20.4	204.0	0	68.1	5	134				



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Herbicides by EPA Method 8151A (Mod)

Sample ID: 2006001-018BMS	SampType: MS	Units: µg/Kg-dry			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: SB-25-0.5'	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196982			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acifluorfen	106	81.6	204.0	0	52.1	5	168				
3,5-Dichlorobenzoic acid	177	40.8	204.0	0	86.9	6.99	144				
4-Nitrophenol	160	30.6	204.0	0	78.5	10.2	139				
Dacthal (DCPA)	58.1	30.6	204.0	0	28.5	5	156				
Surr: 2,4-Dichlorophenylacetic acid	999		1,020		97.9	15.3	163				

Sample ID: 2006001-018BMSD	SampType: MSD	Units: µg/Kg-dry			Prep Date: 6/9/2020			RunNo: 59814			
Client ID: SB-25-0.5'	Batch ID: 28601				Analysis Date: 6/12/2020			SeqNo: 1196983			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	128	33.4	190.8	0	67.2	5	136	158.0	20.8	30	
2,4-D	140	28.6	190.8	0	73.2	5	151	177.1	23.7	30	R
2,4-DP	137	23.8	190.8	0	71.6	5	149	173.9	24.1	30	
2,4,5-TP (Silvex)	141	19.1	190.8	0	74.0	5.43	140	186.4	27.6	30	
2,4,5-T	129	47.7	190.8	0	67.4	6.68	133	173.3	29.6	30	
Dinoseb	81.0	28.6	190.8	0	42.4	5	141	87.81	8.11	30	
Dalapon	626	191	953.9	0	65.6	5	179	765.9	20.1	30	
2,4-DB	154	23.8	190.8	0	80.7	5.57	160	215.4	33.2	30	R
MCPP	721	4,200	953.9	0	75.6	5	174	892.9	21.3	30	
MCPA	691	2,670	953.9	0	72.5	5	154	865.5	22.4	30	
Picloram	77.8	47.7	190.8	0	40.8	5	139	109.3	33.6	30	
Bentazon	154	33.4	190.8	0	80.6	5.31	146	200.5	26.4	30	R
Chloramben	111	19.1	190.8	0	58.4	5	134	138.9	21.9	30	
Acifluorfen	94.0	76.3	190.8	0	49.3	5	168	106.3	12.3	30	
3,5-Dichlorobenzoic acid	143	38.2	190.8	0	74.8	6.99	144	177.4	21.7	30	
4-Nitrophenol	133	28.6	190.8	0	69.9	10.2	139	160.1	18.2	30	
Dacthal (DCPA)	51.6	28.6	190.8	0	27.1	5	156	58.14	11.9	30	
Surr: 2,4-Dichlorophenylacetic acid	797		953.9		83.6	15.3	163		0		

NOTES:

R - High RPD observed, spike recovery is within range.



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Organophosphorus Pesticides by EPA Method 8270-SIM

Sample ID: MBLK-28540	SampType: MBLK	Units: µg/Kg			Prep Date: 6/3/2020			RunNo: 59731			
Client ID: MBLKS	Batch ID: 28540				Analysis Date: 6/9/2020			SeqNo: 1195293			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DDVP	ND	50.0									
Mevinphos	ND	50.0									
TEPP	ND	50.0									
Demeton, Total	ND	50.0									
Ethoprophos	ND	50.0									
Naled	ND	50.0									Q
Sulfotepp	ND	50.0									
Monocrotophos	ND	50.0									Q
Phorate	ND	50.0									
Dimethoate	ND	50.0									
Diazinon	ND	50.0									
Disulfoton	ND	50.0									
Parathion, methyl	ND	50.0									
Fenchorphos	ND	50.0									
Malathion	ND	50.0									
Dursban	ND	50.0									
Fenthion	ND	50.0									
Parathion	ND	50.0									
Trichloronate	ND	50.0									
Morphos	ND	50.0									
Stirophos	ND	50.0									
Prothiofos	ND	50.0									
Fensulfothion	ND	50.0									
Sulprofos	ND	50.0									
EPN	ND	50.0									
Guthion	ND	50.0									
Coumaphos	ND	50.0									
Surr: Triphenylphosphate	78.8		100.0		78.8	10.7	154				

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT
Organophosphorus Pesticides by EPA Method 8270-SIM

Sample ID: LCS-28540	SampType: LCS	Units: µg/Kg			Prep Date: 6/3/2020			RunNo: 59731			
Client ID: LCSS	Batch ID: 28540				Analysis Date: 6/9/2020			SeqNo: 1195294			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DDVP	9.93	50.0	20.00	0	49.7	7.85	133				
Mevinphos	126	50.0	20.00	0	63.0	28.7	131				
TEPP	87.0	50.0	20.00	0	43.5	5	119				
Demeton, Total	128	50.0	20.00	0	64.2	31.4	149				
Ethoprophos	112	50.0	20.00	0	56.2	31.9	144				
Naled	77.3	50.0	20.00	0	38.6	10	147				
Sulfotepp	142	50.0	20.00	0	71.1	26.9	144				
Monocrotophos	124	50.0	20.00	0	61.8	10	129				
Phorate	108	50.0	20.00	0	54.2	40.9	118				
Dimethoate	142	50.0	20.00	0	71.1	23.6	127				
Diazinon	120	50.0	20.00	0	59.9	37.1	132				
Disulfoton	115	50.0	20.00	0	57.4	37.9	122				
Parathion, methyl	121	50.0	20.00	0	60.7	16.8	143				
Fenchorphos	115	50.0	20.00	0	57.4	36.7	117				
Malathion	158	50.0	20.00	0	79.2	26.9	131				
Dursban	118	50.0	20.00	0	59.0	40.8	124				
Fenthion	124	50.0	20.00	0	62.2	36.6	127				
Parathion	156	50.0	20.00	0	77.8	37.6	129				
Trichloronate	120	50.0	20.00	0	60.3	41.5	123				
Morphos	87.0	50.0	20.00	0	43.5	10	122				
Stirophos	136	50.0	20.00	0	68.1	20.6	126				
Prothiofos	127	50.0	20.00	0	63.7	37.1	135				
Fensulfothion	147	50.0	20.00	0	73.6	14.6	152				
Sulprofos	128	50.0	20.00	0	64.0	34.6	137				
EPN	175	50.0	20.00	0	87.7	26.7	150				
Guthion	119	50.0	20.00	0	59.3	5	151				
Coumaphos	127	50.0	20.00	0	63.6	10	152				
Surr: Triphenylphosphate	84.6		100.0		84.6	10.7	154				



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Organophosphorus Pesticides by EPA Method 8270-SIM

Sample ID: 2005395-001CDUP	SampType: DUP	Units: µg/Kg-dry		Prep Date: 6/3/2020		RunNo: 59731					
Client ID: BATCH	Batch ID: 28540			Analysis Date: 6/10/2020		SeqNo: 1195296					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DDVP	ND	51.3						0	0	30	
Mevinphos	ND	51.3						0	0	30	
TEPP	ND	51.3						0	0	30	
Demeton, Total	ND	51.3						0	0	30	
Ethoprophos	ND	51.3						0	0	30	
Naled	ND	51.3						0	0	30	Q
Sulfotepp	ND	51.3						0	0	30	
Monocrotophos	ND	51.3						0	0	30	Q
Phorate	ND	51.3						0	0	30	
Dimethoate	ND	51.3						0	0	30	
Diazinon	ND	51.3						0	0	30	
Disulfoton	ND	51.3						0	0	30	
Parathion, methyl	ND	51.3			5.601			200		30	
Fenchorphos	ND	51.3						0	0	30	
Malathion	ND	51.3						0	0	30	
Dursban	ND	51.3						0	0	30	
Fenthion	ND	51.3						0	0	30	
Parathion	ND	51.3						0	0	30	
Trichloronate	ND	51.3						0	0	30	
Morphos	ND	51.3						0	0	30	
Stirophos	ND	51.3						0	0	30	
Prothiofos	ND	51.3						0	0	30	
Fensulfothion	ND	51.3						0	0	30	
Sulprofos	ND	51.3						0	0	30	
EPN	ND	51.3						0	0	30	
Guthion	ND	51.3						0	0	30	
Coumaphos	ND	51.3						0	0	30	
Surr: Triphenylphosphate	75.4		102.7		73.4	10.7	154		0		

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria



Date: 6/15/2020

Work Order: 2006001
CLIENT: ATC Group Services, Inc.
Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Organophosphorus Pesticides by EPA Method 8270-SIM

Sample ID: 2005395-001CMS	SampType: MS	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59731			
Client ID: BATCH	Batch ID: 28540				Analysis Date: 6/10/2020			SeqNo: 1195297			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DDVP	8.74	56.9	22.76	0	38.4	5	138				
Mevinphos	11.3	56.9	22.76	0	49.7	5	148				
TEPP	0.00	56.9	22.76	0	0	5	121				S
Demeton, Total	12.4	56.9	22.76	0	54.6	24.3	141				
Ethoprophos	11.8	56.9	22.76	0	52.0	13.2	145				
Naled	9.81	56.9	22.76	0	43.1	5	121				
Sulfotepp	12.2	56.9	22.76	0	53.6	26.8	120				
Monocrotophos	2.12	56.9	22.76	0	9.32	5	196				
Phorate	12.5	56.9	22.76	0	54.8	29.4	122				
Dimethoate	10.3	56.9	22.76	0	45.4	5	161				
Diazinon	12.0	56.9	22.76	0	52.6	9.74	142				
Disulfoton	12.5	56.9	22.76	0	54.8	23.9	137				
Parathion, methyl	13.1	56.9	22.76	5.601	33.0	5.64	177				
Fenchorphos	12.4	56.9	22.76	0	54.6	25.3	131				
Malathion	13.6	56.9	22.76	0	59.9	23.5	121				
Dursban	12.4	56.9	22.76	0	54.4	28.2	128				
Fenthion	12.9	56.9	22.76	0	56.7	24.2	136				
Parathion	14.3	56.9	22.76	0	63.0	5	173				
Trichloronate	12.9	56.9	22.76	0	56.6	28.5	122				
Morphos	0.00	56.9	22.76	0	0	5	90.1				S
Stirophos	19.0	56.9	22.76	0	83.4	9.46	152				
Prothiofos	13.6	56.9	22.76	0	59.7	23.7	157				
Fensulfothion	18.6	56.9	22.76	0	81.6	5	174				
Sulprofos	14.2	56.9	22.76	0	62.4	12	173				
EPN	17.6	56.9	22.76	0	77.4	13.8	157				
Guthion	26.9	56.9	22.76	0	118	5	177				
Coumaphos	26.4	56.9	22.76	0	116	5	232				
Surr: Triphenylphosphate	80.4		113.8		70.7	10.7	154				

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.



Date: 6/15/2020

Work Order: 2006001

CLIENT: ATC Group Services, Inc.

Project: Panattoni, NW Logistics Ctr

QC SUMMARY REPORT

Organophosphorus Pesticides by EPA Method 8270-SIM

Sample ID: 2005395-001CMSD	SampType: MSD	Units: µg/Kg-dry			Prep Date: 6/3/2020			RunNo: 59731			
Client ID: BATCH	Batch ID: 28540				Analysis Date: 6/10/2020			SeqNo: 1195298			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DDVP	7.16	58.4	23.35	0	30.7	5	138	8.738	19.8	30	
Mevinphos	12.5	58.4	23.35	0	53.5	5	148	11.32	9.91	30	
TEPP	0.00	58.4	23.35	0	0	5	121	0	0	30	S
Demeton, Total	16.3	58.4	23.35	0	69.7	24.3	141	12.42	26.8	30	
Ethoprophos	17.4	58.4	23.35	0	74.4	13.2	145	11.84	37.9	30	
Naled	4.35	58.4	23.35	0	18.6	5	121	9.806	77.2	30	
Sulfotepp	15.9	58.4	23.35	0	68.0	26.8	120	12.20	26.2	30	
Monocrotophos	5.42	58.4	23.35	0	23.2	5	196	2.123	87.5	30	
Phorate	17.4	58.4	23.35	0	74.6	29.4	122	12.48	33.0	30	
Dimethoate	11.5	58.4	23.35	0	49.1	5	161	10.33	10.5	30	
Diazinon	18.7	58.4	23.35	0	80.1	9.74	142	11.97	44.0	30	
Disulfoton	17.1	58.4	23.35	0	73.5	23.9	137	12.46	31.8	30	
Parathion, methyl	19.3	58.4	23.35	5.601	58.6	5.64	177	13.11	38.1	30	
Fenchorphos	18.7	58.4	23.35	0	80.3	25.3	131	12.42	40.6	30	
Malathion	17.2	58.4	23.35	0	73.9	23.5	121	13.63	23.4	30	
Dursban	19.9	58.4	23.35	0	85.2	28.2	128	12.39	46.5	30	
Fenthion	19.5	58.4	23.35	0	83.5	24.2	136	12.91	40.6	30	
Parathion	19.4	58.4	23.35	0	82.9	5	173	14.33	29.9	30	
Trichloronate	20.4	58.4	23.35	0	87.5	28.5	122	12.89	45.2	30	
Morphos	0.00	58.4	23.35	0	0	5	90.1	0	0	30	S
Stirophos	26.3	58.4	23.35	0	112	9.46	152	18.97	32.2	30	
Prothiofos	21.9	58.4	23.35	0	93.8	23.7	157	13.60	46.8	30	
Fensulfothion	26.2	58.4	23.35	0	112	5	174	18.57	34.2	30	
Sulprofos	22.4	58.4	23.35	0	95.9	12	173	14.20	44.8	30	
EPN	24.0	58.4	23.35	0	103	13.8	157	17.61	30.8	30	
Guthion	37.2	58.4	23.35	0	159	5	177	26.90	32.2	30	
Coumaphos	39.4	58.4	23.35	0	169	5	232	26.41	39.4	30	
Surr: Triphenylphosphate	103		116.8		88.2	10.7	154		0		

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.



Sample Log-In Check List

Client Name: **ATC**

Work Order Number: **2006001**

Logged by: **Carissa True**

Date Received: **5/29/2020 6:15:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	Elisabeth Silver	Date:	6/8/2020
By Whom:	Carissa True	Via:	<input checked="" type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	Confirmation of pesticide analysis.		
Client Instructions:	Run both organochlorine and organophosphorus pesticides.		

19. Additional remarks:

Item Information

Item #	Temp °C
Cooler	1.4
Sample 1	5.6

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 05-29-2020 Page: 1 of 3
Project No: NPMAN20023

Project Name: NW Logistics Ctr.

Special Remarks:

Client:
ATC Group Services LLC
Address:
**6347 Seaview Ave. NW
Seattle, WA**
City, State, Zip:
(206) 701-1449
Telephone:

Location: **DuPont, WA**
Report To (PM): **E. Silver**
PM Email: **Elisabeth.Silver@atcgs.com**

Fax:

PM Email:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Comments:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	Turn-around Time:									
				VOCS (EPA 8260/ 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Hydrocarbon Range Organics (DX)	SVOCS (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Total (T) / Dissolved (D)
SB-14-6'	05/29/20	0845	Soil	X	X	X	X	X	X	X	X	X	Pb + As
SB-16-1"	0950			X	X	X	X	X	X	X	X	X	(RCRA 6)
SB-16-5'	0955												Hold
SB-16-5.5'	0955												Hold
SB-17-5'	0950												Pb + As
SB-18-3.5'	1010												
SB-19-3'	1010												
SB-20-2'	1040												
SB-20-3'		1040											

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 (RCRA-8) Priority Pollutants TAI Individual: Ag Al (As) B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb (Sb) Se Sr Sn Ti Ti U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished

Date/Time

Received

Date/Time

Received

Standard

3 Day

2 Day

Next Day

Same Day _____

(specify) _____



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Laboratory Project No (internal):
70010001

Client:

ATC

Address:

City, State, Zip:

Telephone:

Fax:

Date: **05-29-2020** Page: **2** of **3**
Project Name: **Panattoni, NW Logistics Co.**

Special Remarks:

Project No: **NMAN10023**

Collected by: **B. Goulet / A. Degefa**

Location:

Report To (PM): **E. Silver**

PM Email:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	Comments												
				VOCS (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Range Identification (HCID)	Diesel/Heavy Oil Range Organics (DXI)	SVOCS (EPA 8270 / 625)	PAHs (EPA 8082 / 608)	PCBs (EPA 8012 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)	Pest by 9.081/8.740
SB-20-3-5'	5/29/20	1040	Soil	X	T											Pb + As
SB-21-4'	5/29/20	1050	Soil		X	T										
SB-22-3.5'		1100	Soil			X	T									
SB-23-3'		1115	Soil			X	T									
SB-24-1.5'		1135	Soil	X			X									(PCA/B)
SB-24-3.5'		1135	Soil		X	T										Pb + As
SB-24-4'		1240	Soil	X			X									(PCA/B)
SB-25-0.5'		1240	Soil		X	T										Pb + As
SB-25-1'		1240	Soil			X	T									
SB-26-0.5'		1255	Soil				X	T								

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 (RCRA-8)

Priority Pollutants TAL Individual: Ag Al (Pb) Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni (Pb) Sb Se Sr Sn Ti Ti U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:

Standard

3 Day
 2 Day
 Next Day

Same Day
(specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished

Date/Time

Received

Date/Time

Received

Date/Time

Same Day
(specify)

5/29/20

M. Anderson

5/29/20 @ 1815

1820



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Special Remarks:

Laboratory Project No (internal): **10010001**

110 of 113

Client:	A-TC	
Address:		
City, State, Zip:		
Telephone:		
Fax:		
PM Email:		
Project No:	NIPAN2003	
Collected by:	B. Gavret / A. Beyer	
Location:		
Report To (PM):	E. Silver	
Sample Disposal:	<input type="checkbox"/> Return to client <input type="checkbox"/> Disposal by lab (after 30 days)	

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	Comments
SB-27- 1'	05/29/20	1300	Soil	X T
SB-28- 2.5'		1315		X T
SB-29- 2.5'		1330		X T
SB-30- 2.5'		1335		X T
SB-31- 3.5'		1400		X T
SB-32- 3'		1410		X T
SB-33- 4'		1420		X T
SB-16- 3'		1425		X T
SB-16- 3.5'		1425		X T

10

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Ti U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:

Standard

3 Day

2 Day

Next Day

Date/Time	Received	Date/Time
x 5/29/20	x <i>J. Maffeo</i>	5/29/20 @ 0815
Date/Time	Received	Date/Time
x Relinquished		Date/Time
x Relinquished		Date/Time
		x Same Day
		(specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Client:
ATC Group Services LLC
Address:
6347 Seaview Ave. NW
City, State, Zip:
Seattle, WA
Telephone:
(206) 701-1449

Project No:
NPAN20023
Collected by:
B. Goulet / A. Degefa
Location:
DuPont, WA
Report to (PM):
E. Silver
PM Email:
Elisabeth.Silver@atcgs.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

X = Hex Cr add-on, 4 Day TAT per ES, 6/9/20 cg

Chain of Custody Record & Laboratory Services Agreement

Laboratory Project No (internal): **2006001**
111 of 113

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	Turn-around Time:									
				VOCS (EPA 8260/ 624)	GX/BTEX	BTEx	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Hydrocarbon Range Organics (DX)	SVOCS (EPA 8270/ 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Total (T) / Dissolved (D)
SB-14-6'	05/29/20	0845	Soil	X	X	X	X	X	X	X	X	X	Pb + As
SB-16-1"	0950			X	X	X	X	X	X	X	X	X	(RCRA 6)
SB-16-5'	0955												Hold
SB-16-5.5'	0955												Hold
SB-17-5'	0940	0950											Pb + As
SB-18-3.5'	1010	1050											
SB-19-3'	1040												
SB-20-2'	1040												
SB-20-3'													

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 (RCRA-8) Priority Pollutants TAI Individual/ Ag Al (S) B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb (S) Sb Se Sr Sn Ti Ti U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished *A. Degefa* Date/Time *5/29/20 18:00*

Relinquished *A. Degefa* Date/Time *5/29/20 18:00*

Received *J. Maffezzoli* Date/Time *5/29/20 18:15*

Received *J. Maffezzoli* Date/Time *5/29/20 18:15*

Standard
 3 Day
 2 Day
 Next Day
 Same Day _____



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Laboratory Project No (internal):
70010001

Client:

ATC

Address:

City, State, Zip:

Telephone:

Fax:

Date: **05-29-2020** Page: **2** of **3**
Project Name: **Panattoni, NW Logistics Co.**

Special Remarks:

Project No: **NMAN10023**

Collected by: **B. Goulet / A. Degefa**

Location:

Report To (PM): **E. Silver**

PM Email:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	Comments												
				VOCS (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Range Identification (HCID)	Diesel/Heavy Oil Range Organics (DXI)	SVOCS (EPA 8270 / 625)	PAHs (EPA 8082 / 608)	PCBs (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (801.1)	Pest by 9.081/8.740
SB-20-3-5'	5/29/20	1040	Soil	X	T											Pb + As
SB-21-4'	5/29/20	1050	Soil		X	T										
SB-22-3.5'		1100	Soil			X	T									
SB-23-3'		1115	Soil			X	T									
SB-24-1.5'		1135	Soil	X			X									(PCA/B)
SB-24-3.5'		1135	Soil		X	T										Pb + As
SB-24-4'		1240	Soil	X			X									(PCA/B)
SB-25-0.5'		1240	Soil		X	T										Pb + As
SB-25-1'		1240	Soil			X	T									
SB-26-0.5'		1255	Soil				X	T								

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 (RCRA-8)

Priority Pollutants TAL Individual: Ag Al (Pb) Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni (Pb) Sb Se Sr Sn Ti Ti U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:

Standard

3 Day

2 Day

Next Day

Same Day
(specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished

Date/Time

5/29/20

Received

Date/Time

5/29/20 @ 1815

Date/Time

x

Date/Time

1810

x



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Special Remarks:

Laboratory Project No (internal): **10010001**

113 of 113

Client:	A-TC	
Address:		
City, State, Zip:		
Telephone:		
Fax:		
PM Email:		
Project No:	NIPAN2003	
Collected by:	B. Gavret / A. Peyer	
Location:		
Report To (PM):	E. Silver	
Sample Disposal:	<input type="checkbox"/> Return to client <input type="checkbox"/> Disposal by lab (after 30 days)	

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	Comments
SB-27- 1'	05/29/20	1300	Soil	X T
SB-28- 2.5'		1315		X T
SB-29- 2.5'		1330		X T
SB-30- 2.5'		1335		X T
SB-31- 3.5'		1400		X T
SB-32- 3'		1410		X T
SB-33- 4'		1420		X T
SB-16- 3'		1425		X T
SB-16- 3.5'		1425		X T

10

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Ti U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:

Standard

3 Day

2 Day

Next Day

Relinquished	Date/Time	Received	Date/Time
x	5/29/20	x	5/29/20 @ 0815
Relinquished	Date/Time	Received	Date/Time
x		x	

Same Day
(specify)